Feed Check Sample No. - 200923 Preconditioning/Receiving Chow, Medicate
Association of American Feed Control Officials

Method	AOAC 18th	Method Code	- Pass 1 Results for 201 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 200 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
NPN, Automated		000.03	1	4.18500	0.00707	0.01000	1	4.18500	0.00707	0.01000
Urea, Misc		000.99	1	2.20500	0.00707	0.01000	1	2.20500	0.00707	0.01000
Method Group 000.XX PCT			2	3.19500	1.14317	0.01000	2	3.19500	1.14317	0.01000
Loss on Drying, Vac 95 deg 5 hr	934.01	001.00	8	8.39188	0.28972	0.11875	8	8.39188	0.28972	0.11875
Loss on Drying, ISO 6496		001.03	4	8.07625	0.20708	0.12250	4	8.07625	0.20708	0.12250
Loss on Drying, LECO		001.05	1	7.97000	0.04243	0.06000	1	7.97000	0.04243	0.06000
Loss on Drying, 104 deg 3 hr, in malt	935.29	001.07	38	8.27501	0.24394	0.11487	36	8.27376	0.22931	0.08097
Loss on Drying, 102 deg 16 hr, in meat	950.46	001.08	1	8.53000	0.09899	0.14000	1	8.53000	0.09899	0.14000
Loss on Drying, Misc		001.99	15	8.23138	0.30426	0.09934	14	8.23862	0.31060	0.08215
Method Group 001.XX PCT			67	8.26658	0.26890	0.11187	64	8.26775	0.26309	0.08914
Protein, Crude	954.01	002.00	6	12.2975	0.63177	0.16167	6	12.2975	0.63177	0.16167
Protein, Auto Kjel-Foss	976.05	002.01	11	12.1817	0.44383	0.21350	11	12.1817	0.44383	0.21350
Protein, Semiauto Autoanalyzer	976.06	002.02	7	12.4741	0.38950	0.13290	7	12.4741	0.38950	0.13290
Protein, Copper Cat	984.13	002.04	6	11.7958	0.70266	0.29167	6	11.7958	0.70266	0.29167
Protein, Copper, Boric Acid		002.05	17	12.2981	0.52045	0.17245	16	12.3067	0.53067	0.14698
Protein, Combustion Nitrogen Analyzer	990.03	002.06	130	12.4914	0.65555	0.30924	124	12.4839	0.64400	0.25146
Protein, Cu/Ti	988.05	002.08	5	12.4550	0.21935	0.15180	5	12.4550	0.21935	0.15180
Protein, Block dig/distillation		002.10	9	12.6817	0.73398	0.28333	8	12.6275	0.71160	0.13000
Protein, NIR		002.11	5	12.0960	0.88039	0.24400	5	12.0960	0.88039	0.24400
Protein, Misc		002.99	5	12.5146	0.36235	0.27874	5	12.5146	0.36235	0.27874
Method Group 002.XX PCT			201	12.4293	0.64000	0.27390	193	12.4204	0.62977	0.22769
Fat, Eth Ext, Direct	920.39	003.00	24	2.34459	0.26259	0.09898	21	2.32620	0.26143	0.05693
Fat, Ind Eth Ext (13th ed), Indirect	920.39	003.01	1	2.19000	0.15556	0.22000	1	2.19000	0.15556	0.22000
Fat, Pet Ether		003.06	21	2.16214	0.24843	0.09667	20	2.18400	0.22752	0.07800
Fat, Soxtec, Eth Ext		003.09	23	2.34605	0.14942	0.08563	21	2.33972	0.13667	0.06378
Fat, Soxtec, Pet Ether		003.10	30	2.14046	0.17327	0.10521	28	2.12862	0.15655	0.07969
Fat, NIR		003.11	7	1.98286	0.36001	0.12857	7	1.98286	0.36001	0.12857
Fat, Hexane Ext.		003.12	3	2.36333	0.15680	0.02667	3	2.36333	0.15680	0.02667
Fat, Soxtec, Hexane Ext.		003.13	6	2.20817	0.20786	0.11467	6	2.20817	0.20786	0.11467
Fat, Ankom		003.14	13	2.24115	0.30477	0.15923	12	2.21958	0.29636	0.12583
Fat, Misc		003.99	10	2.35100	0.17741	0.16200	9	2.33444	0.14960	0.11556
Method Group 003.XX PCT			138	2.23842	0.24824	0.10949	128	2.22906	0.23736	0.08410
Fiber, Crude Asbestos Free	962.09	004.00	28	24.8637	1.52931	0.37771	25	24.9053	1.38569	0.24943
Fiber, Sing Filt		004.01	2	27.9775	1.41422	1.15500	2	27.9775	1.41422	1.15500
Fiber, Fritted Glass	978.10	004.03	3	24.9033	1.06839	0.64000	3	24.9033	1.06839	0.64000
Fiber, Fibertec		004.06	28	25.3239	1.37132	0.50106	28	25.3239	1.37132	0.50106
Fiber, ANKOM		004.07	38	24.5414	1.34458	0.40645	36	24.5849	1.32487	0.31375
Fiber, NIR		004.11	8	24.1044	1.84323	0.30375	7	23.7771	1.71763	0.18857
Fiber, Misc		004.99	3	25.0933	1.68710	0.55333	3	25.0933	1.68710	0.55333

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Method Group 004.XX PCT			110	24.8782	1.52991	0.43973	104	24.8956	1.48974	0.37279
Ash,	942.05	005.00	125	7.05460	0.19497	0.09174	116	7.04513	0.18455	0.07455
Ash, LECO		005.02	1	7.30000	0.07071	0.10000	1	7.30000	0.07071	0.10000
Ash, NIR		005.11	3	7.23167	0.22382	0.07667	3	7.23167	0.22382	0.07667
Ash, Misc		005.99	13	7.11038	0.27096	0.17308	12	7.11750	0.24044	0.10500
Method Group 005.XX PCT			142	7.06518	0.20518	0.09893	132	7.05788	0.19376	0.07756
Sugar, TSI, Lane-Eynon (12th)	923.09	006.05	1	2.09000	0.01414	0.02000	1	2.09000	0.01414	0.02000
Fiber, Acid Detergent	973.18	008.02	15	33.1237	1.30070	0.38733	13	33.2919	1.25696	0.23154
Fiber, Acid Detergent-Hach		008.05	1	34.6500	0.07071	0.10000	1	34.6500	0.07071	0.10000
Fiber, Acid Detergent by ANKOM		008.08	20	33.1410	0.89794	0.40400	20	33.1410	0.89794	0.40400
Fiber, Acid Detergent Misc		008.99	6	32.7123	1.26554	0.58817	6	32.7123	1.26554	0.58817
Method Group 008.XX PCT			42	33.1095	1.12376	0.41712	40	33.1635	1.10166	0.36798
Fiber, Neutral Det-No ENZ Pretreat		009.04	1	51.5550	2.80721	3.97000	1	51.5550	2.80721	3.97000
Fiber, Neutral Det-ENZ Pretreat		009.07	13	47.5034	2.09195	1.33124	13	47.5034	2.09195	1.33124
Fiber, Neutral Detergent by ANKOM		009.09	16	47.2613	1.83247	0.57750	16	47.2613	1.83247	0.57750
Fiber, Neutral Det Misc		009.99	6	47.5363	1.45971	1.06867	6	47.5363	1.45971	1.06867
Method Group 009.XX PCT			36	47.5138	1.98421	1.02578	36	47.5138	1.98421	1.02578
Moisture, Karl-Fischer	966.20	010.03	1	7.70500	0.12021	0.17000	1	7.70500	0.12021	0.17000
Moisture, NIR		010.11	9	8.36028	0.47887	0.09344	9	8.36028	0.47887	0.09344
Moisture, Misc		010.99	11	8.36355	0.35189	0.04655	11	8.36355	0.35189	0.04655
Method Group 010.XX PCT			21	8.33079	0.42299	0.07252	21	8.33079	0.42299	0.07252
Loss on Drying, 135 deg 2 hr	930.15	011.01	84	9.27753	0.38131	0.10067	79	9.26963	0.37752	0.07240
Method Group 011.XX PCT			84	9.27753	0.38131	0.10067	79	9.26963	0.37752	0.07240
Starch, Polarimetric (Ewers)		012.00	7	14.0857	1.26178	0.31429	7	14.0857	1.26178	0.31429
Starch, Megazyme		012.01	2	11.4450	1.05152	0.85000	2	11.4450	1.05152	0.85000
Starch, Enzymatic		012.03	2	13.4575	0.22882	0.34500	2	13.4575	0.22882	0.34500
Starch, YSI Analyzer		012.04	5	14.1530	1.00839	0.34600	5	14.1530	1.00839	0.34600
Starch, NIR		012.11	5	11.5960	1.47429	0.37600	5	11.5960	1.47429	0.37600
Method Group 012.XX PCT			21	13.1976	1.64734	0.39048	21	13.1976	1.64734	0.39048
Fat, Mojonnier, Bak Ext	954.02	013.02	31	3.02306	0.34680	0.15645	29	3.00362	0.32024	0.10034
Fat, Roese-Gottlieb	932.02	013.03	1	2.74650	0.00212	0.00300	1	2.74650	0.00212	0.00300
Fat, Roese-Gottlieb Modified		013.08	1	2.08050	0.02475	0.03500	1	2.08050	0.02475	0.03500
Fat, Soxtec-Acid Hydrolysis		013.10	11	2.83677	0.40134	0.21318	10	2.80345	0.34339	0.10050
Fat, Super Critical Fluid Extraction		013.11	1	2.99500	0.00707	0.01000	1	2.99500	0.00707	0.01000
Fat, NIR-Acid Hydrolysis		013.12	1	2.48500	0.24749	0.35000	1	2.48500	0.24749	0.35000
Fat, Pretreat or extended ext, misc		013.99	3	3.00767	0.51981	0.05467	3	3.00767	0.51981	0.05467
Method Group 013.XX PCT			49	2.94387	0.39051	0.15831	46	2.92325	0.36436	0.09733
Aluminum, ICP		015.00	12	59.9115	13.1967	3.66008	12	59.9115	13.1967	3.66008
Method Group 015.XX PPM			12	59.9115	13.1967	3.66008	12	59.9115	13.1967	3.66008

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Arsenic, AA, Hydride		016.00	1	0.07300	0.00283	0.00400	1	0.07300	0.00283	0.00400
Boron, ICP		017.00	9	8.91444	1.04369	0.75556	8	8.90375	0.83671	0.35000
Boron, Misc		017.99	1	9.35500	0.82731	1.17000	1	9.35500	0.82731	1.17000
Method Group 017.XX PPM			10	8.95850	1.01441	0.79700	9	8.95389	0.82419	0.44111
Cadmium, ICP		018.02	2	0.08913	0.02417	0.00225	2	0.08913	0.02417	0.00225
Method Group 018.XX PPM			2	0.08913	0.02417	0.00225	2	0.08913	0.02417	0.00225
Calcium, Ox-Mn04 Vol	927.02	019.00	11	0.70744	0.02265	0.01563	11	0.70744	0.02265	0.01563
Calcium, At Abs Spect	968.08	019.01	45	0.71559	0.05095	0.02437	41	0.71468	0.05122	0.01794
Calcium, Semiauto (Autoanalyzer)		019.03	5	0.74768	0.05829	0.02112	5	0.74768	0.05829	0.02112
Calcium, ICP, Dry Ash		019.05	33	0.69899	0.05625	0.02892	33	0.69899	0.05625	0.02892
Calcium, EDTA		019.08	6	0.71250	0.07399	0.02500	6	0.71250	0.07399	0.02500
Calcium, ICP, Wet Ash		019.09	30	0.73791	0.05932	0.03399	30	0.73791	0.05932	0.03399
Calcium, Misc		019.99	3	0.69905	0.02070	0.01190	3	0.69905	0.02070	0.01190
Method Group 019.XX PCT			133	0.71652	0.05526	0.02657	129	0.71627	0.05548	0.02460
Chromium, AA		020.00	3	7.41197	3.59138	0.66153	3	7.41197	3.59138	0.66153
Chromium, ICP		020.01	7	9.82879	4.24283	0.67057	7	9.82879	4.24283	0.67057
Chromium, Misc		020.99	3	12.5550	1.07894	0.14333	3	12.5550	1.07894	0.14333
Method Group 020.XX PPM			13	9.90018	3.91836	0.54682	13	9.90018	3.91836	0.54682
Cobalt, AA	968.08	021.01	6	1.80473	0.70482	0.10433	6	1.80473	0.70482	0.10433
Cobalt, ICP		021.02	14	2.06700	0.31458	0.14193	14	2.06700	0.31458	0.14193
Cobalt, Misc.		021.99	2	2.01800	0.37433	0.01960	2	2.01800	0.37433	0.01960
Method Group 021.XX PPM			22	1.99102	0.46098	0.12055	22	1.99102	0.46098	0.12055
Copper, AA	968.08	022.01	27	20.2687	4.73699	1.16674	26	20.5483	4.56229	0.98085
Copper, ICP, Dry Ash	968.08	022.03	28	20.1600	4.41127	1.47321	27	19.9807	4.35169	1.30556
Copper, ICP, Wet Ash	968.08	022.05	31	27.7404	3.29474	1.26465	30	27.6651	3.27394	1.10013
Copper, Misc		022.99	3	24.6681	2.91369	0.82687	3	24.6681	2.91369	0.82687
Method Group 022.XX PPM			89	22.9853	5.43506	1.28581	86	22.9964	5.33519	1.11903
Fluorine, Ion Sel Elect	975.08	023.01	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Iron, AA	968.08	025.01	22	210.401	23.7536	9.05910	20	211.214	21.6112	6.93260
Iron, ICP, Dry Ash	968.08	025.03	29	199.248	25.3244	7.77172	28	198.007	24.7393	7.04929
Iron, ICP, Wet Ash	968.08	025.05	23	200.035	27.8491	8.51000	22	198.628	27.4938	7.62409
Iron, Misc		025.99	3	185.440	21.4922	2.41313	3	185.440	21.4922	2.41313
Method Group 025.XX PPM			77	202.132	25.9956	8.15129	73	201.296	25.3326	7.00002
Lead,		026.00	1	0.07500	0.00141	0.00200	1	0.07500	0.00141	0.00200
Lead, Misc		026.99	1	0.00000	0.00000	0.00000	1	0.00000	0.00000	0.00000
Method Group 026.XX PPM			2	0.03750	0.04331	0.00100	2	0.03750	0.04331	0.00100
Magnesium, AA	968.08	027.01	27	0.23061	0.01499	0.00459	25	0.22983	0.01512	0.00356
Magnesium, ICP, Dry Ash	968.08	027.03	29	0.23382	0.01299	0.00622	29	0.23382	0.01299	0.00622
Magnesium, ICP, Wet Ash	968.08	027.05	26	0.23691	0.01449	0.00598	25	0.23719	0.01458	0.00542

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Magnesium, Misc.		027.99	2	0.22963	0.01134	0.00275	2	0.22963	0.01134	0.00275
Method Group 027.XX PCT			84	0.23364	0.01422	0.00554	81	0.23353	0.01432	0.00506
Manganese, AA	968.08	028.01	26	76.0340	8.15447	2.13520	25	75.3553	7.45126	1.74061
Manganese, ICP, Dry Ash	968.08	028.03	30	73.3692	8.37210	1.96467	29	72.9681	8.19022	1.75655
Manganese, ICP, Wet Ash	968.08	028.05	27	89.1860	4.65774	2.67478	26	89.0970	4.54647	2.27765
Manganese, Misc.		028.99	4	80.3819	1.37233	1.64923	4	80.3819	1.37233	1.64923
Method Group 028.XX PPM			87	79.3966	9.80745	2.22151	84	79.0239	9.69674	1.90799
Phosphorus, Vol	964.06	031.00	1	0.43270	0.00410	0.00580	1	0.43270	0.00410	0.00580
Phosphorus, Photometric	965.17	031.01	50	0.43758	0.02516	0.01052	49	0.43610	0.02311	0.01033
Phosphorus, GQMP (2.028)	964.06	031.02	5	0.42869	0.01564	0.00602	4	0.43086	0.01609	0.00252
Phosphorus, Autoanalyzer		031.03	7	0.43757	0.02897	0.01249	6	0.43353	0.02787	0.00715
Phosphorus, ICP		031.05	59	0.43841	0.02455	0.01315	56	0.43796	0.02383	0.01130
Phosphorus, Misc		031.99	6	0.41514	0.02102	0.00728	6	0.41514	0.02102	0.00728
Method Group 031.XX PCT			128	0.43652	0.02488	0.01148	122	0.43560	0.02365	0.01017
Potassium, AA	975.03	032.01	29	1.07113	0.08445	0.02527	27	1.07307	0.08333	0.01603
Potassium, Flame Emission	956.01	032.02	6	1.11942	0.03921	0.01083	6	1.11942	0.03921	0.01083
Potassium, ICP		032.05	56	1.09647	0.06984	0.02632	54	1.09449	0.06968	0.02359
Potassium, Misc		032.99	2	1.05733	0.02270	0.01315	2	1.05733	0.02270	0.01315
Method Group 032.XX PCT			93	1.08921	0.07375	0.02471	89	1.08884	0.07280	0.02020
Salt, Sol Cl	943.01	033.00	21	0.72083	0.09408	0.02643	20	0.72475	0.09393	0.02230
Salt, Poten Cl	969.10	033.01	31	0.74190	0.03791	0.01799	29	0.74203	0.03798	0.01440
Salt, Quantab		033.03	6	0.69667	0.11203	0.03667	7	0.66286	0.13419	0.03143
Salt, Ion Sel Electrode		033.05	1	0.77000	0.01414	0.02000	1	0.77000	0.01414	0.02000
Salt, Misc		033.99	8	0.71463	0.11676	0.01400	8	0.71463	0.11676	0.01400
Method Group 033.XX PCT			67	0.72841	0.07879	0.02186	64	0.72939	0.07931	0.01900
Selenium, Fluor	969.06	034.01	1	0.47200	0.00141	0.00200	1	0.47200	0.00141	0.00200
Selenium, AA, Hydride		034.04	8	0.46794	0.07044	0.03137	8	0.46794	0.07044	0.03137
Selenium, ICP		034.05	3	0.49350	0.08011	0.01900	3	0.49350	0.08011	0.01900
Selenium, Misc		034.99	1	0.42500	0.04950	0.07000	1	0.42500	0.04950	0.07000
Method Group 034.XX PPM			13	0.47085	0.06823	0.02923	13	0.47085	0.06823	0.02923
Sodium, AA		035.00	22	0.27109	0.02441	0.01066	21	0.26924	0.02244	0.00831
Sodium, Ion Sel Electrode		035.01	3	0.29357	0.01696	0.01113	3	0.29357	0.01696	0.01113
Sodium, ICP		035.03	50	0.27339	0.02275	0.01209	47	0.27371	0.02200	0.01009
Sodium, Flame Emission	956.01	035.05	10	0.25930	0.01574	0.00760	10	0.25930	0.01574	0.00760
Sodium, Misc		035.99	3	0.25618	0.01696	0.00783	3	0.25618	0.01696	0.00783
Method Group 035.XX PCT			88	0.27132	0.02295	0.01104	84	0.27096	0.02205	0.00931
Sulfur, (Gravimetric)		036.00	2	0.18750	0.01708	0.01500	2	0.18750	0.01708	0.01500
Sulfur, ICP		036.03	24	0.21236	0.02208	0.00687	22	0.21003	0.02065	0.00450
Sulfur, LECO		036.04	2	0.20000	0.01155	0.00000	2	0.20000	0.01155	0.00000

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Method Group 036.XX PCT			28	0.20971	0.02210	0.00696	26	0.20753	0.02063	0.00496
Zinc, AA	968.08	037.01	28	108.570	12.8215	5.02619	26	108.440	12.9498	3.98975
Zinc, ICP, Dry Ash	968.08	037.03	32	107.106	18.5764	5.18469	30	106.174	18.6407	4.19433
Zinc, ICP, Wet Ash	968.08	037.05	29	120.510	15.6602	7.43828	28	120.153	15.5806	6.66821
Zinc, Misc		037.99	4	109.264	9.96514	2.35628	4	109.264	9.96514	2.35628
Method Group 037.XX PPM			93	111.819	16.7496	5.71805	88	111.432	16.8221	4.83748
Molybdenum, ICP		038.00	9	1.71694	0.54906	0.15189	8	1.77969	0.54333	0.10713
Molybdenum, Misc		038.99	1	1.60000	0.00000	0.00000	1	1.60000	0.00000	0.00000
Method Group 038.XX PPM			10	1.70525	0.52061	0.13670	9	1.75972	0.51367	0.09522
Nickel, AA		039.01	1	6.30000	0.28284	0.40000	1	6.30000	0.28284	0.40000
Nickel, ICP		039.02	5	8.81475	2.55323	0.69070	5	8.81475	2.55323	0.69070
Method Group 039.XX PPM			6	8.39563	2.50981	0.64225	6	8.39563	2.50981	0.64225
Barium, ICP		040.00	1	7.84500	0.00707	0.01000	1	7.84500	0.00707	0.01000
Vanadium, ICP		041.00	1	0.45575	0.01025	0.01450	1	0.45575	0.01025	0.01450
Chlorotetracycline, Plate	967.39	051.00	10	62.4425	6.77972	2.17900	9	62.0472	6.91632	1.53222
Chlorotetracycline, HPLC		051.03	11	61.9473	13.3033	2.69818	11	61.9473	13.3033	2.69818
Method Group 051.XX G/TON			21	62.1831	10.5835	2.45095	20	61.9923	10.7773	2.17350
Sulfamethazine,	969.57	082.00	5	0.00595	0.00097	0.00034	5	0.00595	0.00097	0.00034
Sulfamethazine, HPLC		082.01	6	0.00705	0.00107	0.00054	5	0.00681	0.00086	0.00021
Sulfamethazine, HPLC-PCD	999.16	082.02	2	0.00697	0.00104	0.00028	2	0.00697	0.00104	0.00028
Method Group 082.XX PCT			13	0.00661	0.00112	0.00042	12	0.00648	0.00101	0.00028
Choline Chloride, Misc		101.99	1	192.500	9.19239	13.0000	1	192.500	9.19239	13.0000
Riboflavin, Fluorometric	970.65	104.00	1	3.50000	0.14142	0.20000	1	3.50000	0.14142	0.20000
Thiamine, HPLC		105.00	1	1.03500	0.17678	0.25000	1	1.03500	0.17678	0.25000
Vitamin A, Color	974.29	106.00	1	5.95000	0.63640	0.90000	1	5.95000	0.63640	0.90000
Vitamin A, UV		106.01	1	5.33000	0.24042	0.34000	1	5.33000	0.24042	0.34000
Vitamin A, HPLC		106.02	17	5.12584	0.79804	0.45874	16	5.09714	0.76467	0.34928
Vitamin A, Misc		106.99	1	5.70000	0.14142	0.20000	1	5.70000	0.14142	0.20000
Method Group 106.XX KU/LB			20	5.20596	0.77366	0.46193	19	5.18601	0.74615	0.36992
Vitamin D3, HPLC		108.02	2	3.05475	3.29761	0.08450	2	3.05475	3.29761	0.08450
Method Group 108.XX KU/LB			2	3.05475	3.29761	0.08450	2	3.05475	3.29761	0.08450
Vitamin E, HPLC		109.02	8	15.2556	14.5536	0.28625	8	15.2556	14.5536	0.28625
Method Group 109.XX MG/KG			8	15.2556	14.5536	0.28625	8	15.2556	14.5536	0.28625
Alanine, Post-col Ninhydrin Der	994.12	120.00	12	0.50711	0.02972	0.00792	12	0.50711	0.02972	0.00792
Alanine, Pre-col AQC Der		120.05	1	0.51500	0.04950	0.07000	1	0.51500	0.04950	0.07000
Method Group 120.XX PCT			13	0.50772	0.03026	0.01269	13	0.50772	0.03026	0.01269
Arginine, Post-col Ninhydrin Der	994.12	121.00	13	0.53602	0.06087	0.00773	13	0.53602	0.06087	0.00773
Arginine, Pre-col AQC Der		121.05	1	0.52500	0.03536	0.05000	1	0.52500	0.03536	0.05000
Method Group 121.XX PCT			14	0.53523	0.05904	0.01075	14	0.53523	0.05904	0.01075

Method	AOAC 18th	Method Code	- Pass 1 Results for 201 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 200 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Aspartic, Post-col Ninhydrin Der	994.12	122.00	13	0.77911	0.05155	0.01475	13	0.77911	0.05155	0.01475
Aspartic, Pre-col AQC Der		122.05	1	0.73000	0.02828	0.04000	1	0.73000	0.02828	0.04000
Method Group 122.XX PCT			14	0.77560	0.05154	0.01656	14	0.77560	0.05154	0.01656
Cysteine/Cystine, PAO Post-col Ninhydri	994.12	124.00	12	0.17627	0.02322	0.00672	12	0.17627	0.02322	0.00672
Cysteine/Cystine, PAO Post-col OPA Der		124.02	1	0.14400	0.00283	0.00400	1	0.14400	0.00283	0.00400
Cysteine/Cystine, PAO Pre-col AQC Der .		124.05	1	0.18500	0.00707	0.01000	1	0.18500	0.00707	0.01000
Method Group 124.XX PCT			14	0.17459	0.02326	0.00676	14	0.17459	0.02326	0.00676
Glutamic, Post-col Ninhydrin Der	994.12	125.00	13	1.48163	0.10515	0.01961	13	1.48163	0.10515	0.01961
Method Group 125.XX PCT			13	1.48163	0.10515	0.01961	13	1.48163	0.10515	0.01961
Glycine, Post-col Ninhydrin Der	994.12	126.00	13	0.46590	0.03286	0.00720	13	0.46590	0.03286	0.00720
Glycine, Pre-col AQC Der		126.05	1	0.48500	0.00707	0.01000	1	0.48500	0.00707	0.01000
Method Group 126.XX PCT			14	0.46726	0.03204	0.00740	14	0.46726	0.03204	0.00740
Histidine, Post-col Ninhydrin Der	994.12	127.00	13	0.25528	0.03247	0.01138	12	0.25364	0.03167	0.00649
Histidine, Pre-col AQC Der		127.05	1	0.25000	0.01414	0.02000	1	0.25000	0.01414	0.02000
Method Group 127.XX PCT			14	0.25490	0.03140	0.01199	13	0.25336	0.03053	0.00753
Isoleucine, Post-col Ninhydrin Der	994.12	128.00	12	0.30553	0.03071	0.00868	11	0.30467	0.03166	0.00674
Isoleucine, Pre-col AQC Der		128.05	1	0.34000	0.01414	0.02000	1	0.34000	0.01414	0.02000
Method Group 128.XX PCT			13	0.30818	0.03104	0.00955	12	0.30761	0.03199	0.00784
Leucine, Post-col Ninhydrin Der	994.12	129.00	12	0.65389	0.04201	0.00674	12	0.65389	0.04201	0.00674
Leucine, Pre-col AQC Der		129.05	1	0.65500	0.03536	0.05000	1	0.65500	0.03536	0.05000
Method Group 129.XX PCT			13	0.65397	0.04092	0.01007	13	0.65397	0.04092	0.01007
L-Lysine, Post-col Ninhydrin Der	994.12	130.00	13	0.43179	0.03713	0.00684	13	0.43179	0.03713	0.00684
L-Lysine, Pre-col AQC Der		130.05	2	0.43750	0.02872	0.03500	2	0.43750	0.02872	0.03500
Method Group 130.XX PCT			15	0.43255	0.03575	0.01059	15	0.43255	0.03575	0.01059
Methionine, PAO Post-col Ninhydrin Der	994.12	131.00	12	0.14009	0.02368	0.00348	10	0.13506	0.02041	0.00180
Methionine, PAO Post-col OPA Der		131.02	1	0.15050	0.00212	0.00300	1	0.15050	0.00212	0.00300
Methionine, PAO Pre-col AQC Der		131.05	2	0.11000	0.04619	0.00000	2	0.11000	0.04619	0.00000
Method Group 131.XX PCT			15	0.13677	0.02805	0.00299	13	0.13239	0.02617	0.00162
Phenylalanine, Post-col Ninhydrin Der .	994.12	132.00	13	0.39489	0.05243	0.00734	13	0.39489	0.05243	0.00734
Phenylalanine, Pre-col AQC Der		132.05	1	0.38500	0.02121	0.03000	1	0.38500	0.02121	0.03000
Method Group 132.XX PCT			14	0.39419	0.05068	0.00896	14	0.39419	0.05068	0.00896
Proline, Post-col Ninhydrin Der	994.12	133.00	11	0.59194	0.07260	0.02135	10	0.60114	0.06840	0.01549
Proline, Pre-col AQC Der		133.05	1	0.56500	0.07778	0.11000	1	0.56500	0.07778	0.11000
Method Group 133.XX PCT			12	0.58970	0.07165	0.02874	11	0.59785	0.06808	0.02408
Serine, Post-col Ninhydrin Der	994.12	134.00	13	0.41824	0.03661	0.00936	12	0.42351	0.03202	0.00597
Serine, Pre-col AQC Der		134.05	1	0.45000	0.00000	0.00000	1	0.45000	0.00000	0.00000
Method Group 134.XX PCT			14	0.42051	0.03619	0.00869	13	0.42555	0.03155	0.00552
Threonine, Post-col Ninhydrin Der	994.12	135.00	13	0.37118	0.02702	0.00555	12	0.37294	0.02726	0.00435
Threonine, Pre-col AQC Der		135.05	2	0.36750	0.03202	0.03500	2	0.36750	0.03202	0.03500

Method	AOAC 18th	Method Code	- Pass 1 Results for 201 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups	- Pass 2 Results for 200 Labs - No. of Labs	Grand Avg.	Std. Dev.	Average Range of Dups
Method Group 135.XX PCT			15	0.37069	0.02715	0.00948	14	0.37216	0.02739	0.00873
Tryptophan, Alka-Hydrol Post-col Ninhyd	988.15	136.00	3	0.11078	0.00504	0.00170	3	0.11078	0.00504	0.00170
Tryptophan, Alka-Hydrol Rev Phase LC UV		136.01	4	0.10753	0.00913	0.00175	4	0.10753	0.00913	0.00175
Tryptophan, Misc		136.99	1	0.11250	0.00495	0.00700	1	0.11250	0.00495	0.00700
Method Group 136.XX PCT			8	0.10937	0.00727	0.00239	8	0.10937	0.00727	0.00239
Tyrosine, Post-col Ninhydrin Der	994.12	137.00	8	0.27736	0.03857	0.01256	8	0.27736	0.03857	0.01256
Tyrosine, Pre-col AQC Der		137.05	1	0.23000	0.01414	0.02000	1	0.23000	0.01414	0.02000
Method Group 137.XX PCT			9	0.27209	0.03948	0.01339	9	0.27209	0.03948	0.01339
Valine, Post-col Ninhydrin Der	994.12	138.00	12	0.43292	0.04423	0.01290	11	0.43092	0.04508	0.00953
Valine, Pre-col AQC Der		138.05	1	0.45000	0.01414	0.02000	1	0.45000	0.01414	0.02000
Method Group 138.XX PCT			13	0.43424	0.04277	0.01345	12	0.43251	0.04351	0.01040
Taurine, Post-col Ninhydrin Der	994.12	139.00	1	0.03000	0.04243	0.06000	1	0.03000	0.04243	0.06000
Linoleic Acid, ...		210.01	1	1.24500	0.01273	0.01800	1	1.24500	0.01273	0.01800

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 000.03	--
861	4.1850	-.71
--	Method 000.99	--
265	2.2050	.71
--	Method 001.00	--
596	9.7000 S	4.52
001	8.8350	1.53
504	8.7050	1.11
785	8.5400	.66
Avg	8.3919	
169	8.3500	-.16
844	8.3450	-.18
027	8.2000	-.68
309	8.2100	-.79
029	7.9500	-1.53
560	6.4350 s	-6.84
--	Method 001.03	--
567	8.3500	1.34
731	8.1350	.36
Avg	8.0763	
727	7.9250	-.79
686	7.8950	-.97
--	Method 001.05	--
610	7.9700	-.71
--	Method 001.07	--
142	8.7000	1.86
199	8.6400	1.60
187	8.6300	1.56
559	8.6050	1.49
693	8.4750 R	1.32
571	8.5300	1.12
675	8.5150	1.05
307	8.5000	.99
592	8.4650	.84
278	8.3750	.74
--	Method 001.07	--
849	8.4200	.64
098	8.4150	.63
843	8.3350	.61
679	8.4000	.55
049	8.3850	.50
689	8.3000	.45
413	8.3000	.45
695	8.3200	.24
669	8.3150	.21
607	8.3095	.17
366	8.3000	.11
089	8.2950	.10
Avg	8.2738	
345	8.2000	-.32
074	8.2150	-.32
588	8.1650	-.50
226	8.1500	-.58
178	8.1500	-.58
171	8.0750	-.88
038	8.0650	-1.02
035	8.0400	-1.05
591	8.0310	-1.06
045	8.0250	-1.10
353	8.0100	-1.23
015	7.9800	-1.28
609	7.9500	-1.43
616	7.9450	-1.45
297	7.8000	-2.07
845	8.1200 R	-2.28
618	6.9215 s	-6.54
--	Method 001.08	--
590	8.5300	-.71
--	Method 001.99	--
405	9.4600 S	3.93
357	9.2950 S	3.43
096	8.8000	1.81
505	8.7000	1.49
--	Method 001.99	--
662	8.4432	.73
787	8.4250	.61
638	8.4000	.52
629	8.3050	.21
631	8.2700	.14
Avg	8.2386	
630	8.1700	-.22
037	8.1650	-.36
676	8.1070	-.49
722	8.0755	-.54
720	8.1300 R	-.65
619	8.0300	-.67
853	7.7250	-1.66
615	7.7250	-1.69
541	7.1600 S	-3.47
--	Method 002.00	--
028	12.980	1.14
199	12.820	.83
845	12.650	.56
Avg	12.298	
015	12.185	-.24
679	11.895	-.65
826	11.255	-1.65
--	Method 002.01	--
848	12.735	1.25
652	12.600	1.16
653	12.510	.88
607	12.448	.86
098	12.310	.38
731	12.220	.12
Avg	12.182	
350	12.124	-.23
710	12.060	-.28
043	11.905	-.63
723	11.890	-.66
662	11.196	-2.23
--	Method 002.02	--
297	13.205	1.88
152	12.750	.72
669	12.575	.32
Avg	12.474	
042	12.295	-.52
036	12.244	-.59
043	12.150	-.85
307	12.100	-.99
--	Method 002.04	--
504	12.700	1.40
405	12.350	.79
638	12.195	.66
Avg	11.796	
596	11.350	-.67
728	11.125	-.96
187	11.055	-1.05
--	Method 002.05	--
852	13.400	2.09
194	13.105	1.50
855	12.655	.73
178	12.600	.67
401	12.520	.40
689	12.350	.12
Avg	12.307	
552	12.305	-.01
849	12.280	-.05
620	12.261	-.09
622	12.228	-.16
625	12.265	-.18
354	12.190	-.22
651	12.246	-.22
674	12.160 R	-.61
591	11.805	-.96
722	11.349	-1.81
596	11.350	-1.82
--	Method 002.06	--
017	21.305 s	13.70
787	13.945	2.27
520	13.890	2.18
598	13.725	1.94
735	13.100 R	1.81
021	13.605	1.74
033	13.555	1.66
001	13.445	1.49
712	12.810 R	1.49
179	13.380	1.42
190	13.345	1.34
417	12.970 R	1.34
553	13.291	1.31
720	13.285	1.31
160	13.325	1.31
574	13.320	1.30
504	13.260	1.26
345	13.295	1.26
616	13.270	1.23
034	13.260	1.21
027	13.170	1.16
573	13.220	1.16
006	13.225	1.15
051	13.105	1.13
760	13.200	1.12
003	13.175	1.08
853	13.150	1.07
505	13.130	1.03
798	12.510 R	.98
626	13.080	.95
843	13.080	.94
619	13.050	.88
686	12.935	.88
741	13.000	.85
781	12.880	.80
199	12.965	.76
511	12.515	.75
413	12.650	.74
037	12.835	.73

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index	Lab	Average*	Index
--	Method 002.06 --		--	Method 002.06 --		--	Method 002.06 --		--	Method 002.11 --		--	Method 003.00 --	
122	12.915	.67	009	12.290	-.32	650	11.695	-1.26	178	14.600 S	2.85	527	2.1600	-.65
229	12.895	.65	098	12.295	-.35	358	11.715	-1.27	631	13.155	1.21	265	2.1200	-.80
205	12.855	.62	074	12.250	-.37	780	12.050 R	-1.32	713	12.810	.81	026	2.0750	-.96
233	12.865	.60	309	12.440	-.38	541	11.690	-1.41	Avg	12.096		345	2.0750	-1.00
164	12.855	.58	366	12.300	-.42	812	11.570	-1.43	011	11.850	-.29	616	2.0250	-1.16
822	12.810	.51	014	12.415	-.43	618	11.567	-1.46	720	11.815	-.54	142	2.0000	-1.25
592	12.700	.51	590	12.475	-.43	011	11.545	-1.47	567	10.850	-1.42	015	1.9100	-1.59
100	12.785	.51	609	12.205	-.44	148	11.530	-1.48	679	9.2750 S	-3.21			
737	12.770	.48	646	12.170	-.52	132	11.485	-1.57	731	8.9950 S	-3.53	--	Method 003.01 --	
670	12.755	.44	726	12.146	-.53	615	11.415	-1.69				504	2.1900	.71
035	12.755	.43	047	12.250	-.53	596	11.350	-1.78	--	Method 002.99 --				
674	12.695	.43	300	12.425	-.56	512	11.215	-1.97	065	13.063	1.52	--	Method 003.06 --	
265	12.680	.37	142	12.150	-.57	676	11.097	-2.19	856	12.515	.04	588	2.5300	1.52
175	12.700	.37	242	12.125	-.59	687	10.960	-2.37	Avg	12.515		552	2.5100	1.44
660	12.715	.36	354	12.095	-.61	539	10.945	-2.41	613	12.470	-.38	003	2.5050	1.42
016	12.650	.35	049	12.455	-.61				305	12.365	-.75	169	2.4750	1.28
278	12.700	.34	630	12.075	-.64	--	Method 002.08 --		643	12.160	-1.21	199	2.3650	.80
407	12.700	.34	859	12.067	-.65	062	12.543	1.17				009	2.2300	.61
695	12.565	.30	527	12.065	-.65	706	12.705	1.14	--	Method 003.00 --		074	2.3050	.60
766	12.500	.30	045	12.050	-.68	Avg	12.455		596	3.3000 S	3.72	294	2.2750	.41
294	12.640	.24	119	12.090	-.68	610	12.450	-.23	190	3.2650 S	3.60	511	2.2300	.22
263	12.594	.18	043	12.220	-.69	208	12.400	-.25	152	2.9000	2.19	Avg	2.1840	
042	12.555	.15	693	12.025	-.71	563	12.177	-1.31	194	2.7050	1.45	148	2.1600	-.11
588	12.575	.14	018	12.035	-.79				132	2.6450 R	1.39	229	2.1500	-.27
824	12.555	.14	529	11.985	-.79	--	Method 002.10 --		307	2.6000	1.05	731	2.1150	-.36
692	12.565	.13	559	11.995	-.80	861	13.970	1.89	035	2.5750	.95	305	2.0900	-.42
353	12.560	.13	171	11.950	-.83	727	13.115 R	1.26	164	2.5650	.91	559	2.1800	-.57
510	12.500	.03	567	12.450 R	-.86	546	13.015	.56	353	2.4150 R	.85	574	2.0200	-.73
Avg	12.484		226	11.950	-.86	160	12.740	.17	300	2.5400	.83	122	2.0250	-.81
610	12.450	-.09	026	11.920	-.88	629	12.640	.05	309	2.3600 R	.81	687	1.9750	-.93
571	12.422	-.15	785	11.925	-.88	Avg	12.628		175	2.5350	.80	625	1.9650	-.96
096	12.430	-.15	589	11.890	-.94	631	12.570	-.16	726	2.4170	.45	852	1.8250	-1.58
089	12.365	-.18	202	11.875	-.98	619	12.450	-.26	039	2.3861	.24	689	1.7500	-1.92
808	12.365	-.19	144	11.805	-1.06	675	12.285	-.48	Avg	2.3262		297	1.7250 R	-2.27
029	12.375	-.19	038	11.800	-1.06	596	11.350	-1.81	563	2.2870	-.18			
036	12.395	-.19	010	11.830	-1.07				354	2.2650	-.24	--	Method 003.09 --	
106	12.410	-.21	554	11.800	-1.08				106	2.2600	-.26	554	2.5850 R	2.20
168	12.375	-.22	357	11.780	-1.09				615	2.2650	-.37	226	2.5500	1.58
108	12.330	-.28	013	11.715	-1.20				848	2.1850	-.65	722	2.5388	1.55

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 003.09	--
510	2.5000	1.38
505	2.5150	1.28
098	2.3600	.96
263	2.4600	.89
590	2.4000	.79
849	2.4250	.63
651	2.3840	.33
638	2.3750	.32
033	2.3500	.16
Avg	2.3397	
653	2.3050	-.26
350	2.3036	-.26
673	2.3000	-.29
723	2.2450	-.69
354	2.2250	-.84
027	2.2300	-.85
675	2.2150	-.93
620	2.1928	-1.08
674	2.2400 R	-1.26
358	2.1600	-1.32
669	2.1000	-1.78
013	1.7600 s	-4.24
--	Method 003.10	--
618	2.4575 R	2.59
623	2.4138	1.86
676	2.3590	1.47
693	2.1550 R	1.45
591	2.3415	1.36
160	2.3165	1.25
573	2.2800	.97
366	2.2500	.84
051	2.2550	.81
119	2.2350	.70
233	2.2150	.56
178	2.1500	.35
034	2.1700	.26
062	2.1355	.22
629	2.1550	.17

Lab	Average*	Index
--	Method 003.10	--
Avg	2.1286	
045	2.1250	-.10
098	2.1000	-.22
089	2.0850	-.28
728	2.0450	-.54
679	2.0900	-.57
706	2.0500	-.60
208	2.1050	-.69
619	2.0650	-.73
855	2.0700	-.91
695	1.9850	-.92
202	1.9650	-1.05
720	1.9750	-1.15
042	1.9950	-1.17
242	1.9050	-1.45
100	1.7650	-2.32
609	1.3500 s	-4.98
--	Method 003.11	--
631	2.3200	.94
178	2.3000	.92
720	2.1000	.64
713	2.1650	.51
567	2.0500	.23
Avg	1.9829	
679	1.4750	-1.41
731	1.4700	-1.43
--	Method 003.12	--
670	2.5600	1.27
Avg	2.3633	
357	2.3000	-.40
171	2.2300	-.85
--	Method 003.13	--
646	2.5150	1.50
187	2.3350	.61
205	2.2290	.32
Avg	2.2082	

Lab	Average*	Index
--	Method 003.13	--
028	2.2050	-.41
660	2.0050	-1.06
553	1.9600	-1.22
--	Method 003.14	--
413	2.8000	1.99
021	2.5000 R	1.34
567	2.4500	.93
278	2.4500	.80
049	2.3550	.54
108	2.3700	.51
Avg	2.2196	
520	2.2050	-.10
686	2.1700	-.18
407	2.0800	-.47
175	2.0850	-.50
144	2.0050	-.73
529	2.0000	-.75
853	1.6650	-1.97
598	1.1100 s	-3.74
--	Method 003.99	--
787	2.5000 R	2.23
631	2.5450	1.49
727	2.5000	1.14
737	2.4150	.55
710	2.3350	.10
Avg	2.3344	
630	2.3300	-.20
546	2.2350	-.87
047	2.1850	-1.00
861	2.1950	-1.03
712	2.2700	-1.34
613	1.0950 s	-8.29
--	Method 004.00	--
855	27.875	2.15
511	27.710 R	2.08
559	26.735	1.34

Lab	Average*	Index
--	Method 004.00	--
208	26.750	1.34
265	26.200	.95
345	26.200	.94
354	26.155	.90
039	25.939	.75
015	25.790	.64
309	25.665	.62
171	25.700	.58
563	25.005	.07
Avg	24.905	
190	24.845	-.06
164	24.750	-.12
175	24.700	-.16
226	24.850	-.18
169	24.460	-.32
009	24.030	-.64
726	23.870	-.75
504	23.865	-.76
695	23.795	-.80
199	23.685	-.89
194	23.415	-1.08
034	23.250	-1.20
510	23.200	-1.24
596	22.950 R	-1.51
353	22.890 R	-1.55
132	21.905	-2.18
--	Method 004.01	--
366	29.050	.82
Avg	27.978	
693	26.905	-.91
--	Method 004.03	--
619	26.000	1.27
Avg	24.903	
045	24.800	-.13
679	23.910	-.93

Lab	Average*	Index
--	Method 004.06	--
728	27.690	1.79
638	27.550	1.64
591	27.424	1.55
038	26.905	1.25
670	26.905	1.16
588	26.865	1.15
029	26.305	.83
609	26.390	.81
178	26.200	.77
354	26.285	.70
350	26.072	.55
653	25.670	.26
Avg	25.324	
849	25.200	-.11
845	25.200	-.12
675	24.845	-.38
205	24.700	-.50
731	24.700	-.53
720	24.690	-.55
590	24.435	-.68
620	24.370	-.70
848	24.285	-.76
689	24.300	-.76
610	24.150	-.88
674	24.065	-.92
722	23.773	-1.13
710	23.495	-1.33
027	23.400	-1.42
098	23.200	-1.56
673	13.050 s	-8.95
552	1.3800 s	-17.46
--	Method 004.07	--
407	27.260	2.02
300	27.205	2.01
631	26.465	1.43
089	26.285	1.28
294	26.140	1.18
610	25.900	1.00

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200923 Preconditioning/Receiving Chow, Medicate

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 004.07 --	
021	24.735 R	.98
643	25.865	.97
033	25.550	.84
669	25.545	.77
229	25.450	.65
686	25.425	.64
708	25.400	.62
505	25.360	.59
144	25.340	.57
592	24.720	.20
042	24.648	.08
035	24.650	.05
Avg	24.585	
098	24.545	-.04
529	24.530	-.04
011	24.300	-.23
026	24.280	-.25
160	24.215	-.29
096	23.900	-.52
554	23.900	-.52
242	23.860	-.55
278	23.800	-.61
028	23.850	-.65
003	23.765	-.66
013	23.530	-.80
413	23.450	-.90
646	23.300	-.98
100	22.980	-1.21
553	22.635	-1.47
202	22.780 R	-1.49
074	22.520	-1.57
307	22.250	-1.76
520	22.240	-1.80
567	2.3950 s	-16.75
--	Method 004.11 --	
731	26.395 R	1.56
679	26.110	1.36
567	25.100	.77
--	Method 004.11 --	
713	24.635	.50
631	23.945	.12
Avg	23.777	
011	23.400	-.23
178	22.550	-.73
720	20.700	-1.79
--	Method 004.99 --	
856	53.750 S	16.99
613	26.225	.67
629	26.050	.57
Avg	25.093	
598	23.005	-1.31
--	Method 005.00 --	
687	7.6250 A	3.15
132	7.4650	2.36
856	7.3750	1.93
629	7.3850	1.84
108	7.3350 R	1.83
712	7.2850 R	1.64
294	7.3400	1.60
619	7.3300	1.54
520	7.3000	1.39
504	7.2900	1.38
552	7.2900	1.33
510	7.2850	1.31
720	7.2150 R	1.28
345	7.2750	1.25
029	7.2050 R	1.21
766	7.2650	1.20
845	7.2400	1.09
646	7.2400	1.09
695	7.2450	1.09
592	7.2350	1.06
760	7.2300	1.01
731	7.2300	1.01
164	7.2250	.98
307	7.2100	.97
--	Method 005.00 --	
689	7.1950	.91
848	7.2100	.90
653	7.1850	.89
638	7.2000	.84
722	7.1947	.82
027	7.0500 R	.81
660	7.1900	.80
062	7.1405	.79
401	7.0700	.77
015	7.1800	.73
588	7.1750	.70
674	7.1300	.67
679	7.1650	.66
357	7.1500	.63
567	7.1500	.63
038	7.1475	.62
178	7.1000	.62
226	7.1000	.62
620	7.1450	.57
622	7.1384	.56
676	7.0740	.54
407	7.1450	.54
001	7.1400	.54
651	7.1405	.52
278	7.1350	.51
630	7.0750	.49
202	7.1100	.41
669	7.1050	.41
045	7.1150	.40
590	7.1100	.37
305	7.1100	.35
563	7.0970	.31
413	7.1000	.30
242	7.1000	.30
148	7.1000	.30
187	7.1000	.30
297	7.0500	.27
366	7.0500	.27
710	7.0900	.25
--	Method 005.00 --	
591	7.0650	.22
541	7.0750	.21
089	7.0750	.16
300	7.0700	.15
034	7.0650	.13
350	7.0627	.11
100	7.0500	.06
Avg	7.0451	
152	7.0450	-.14
723	7.0250	-.14
781	7.0400	-.16
643	7.0150	-.17
035	7.0250	-.17
229	7.0100	-.20
505	7.0200	-.21
119	7.0200	-.21
354	7.0050	-.23
598	7.0000	-.25
785	7.0400	-.27
849	6.9900	-.30
539	7.0050	-.33
822	6.9950	-.33
631	6.9850	-.35
175	7.0000	-.36
735	6.9900	-.37
021	6.9950	-.40
098	6.9850	-.41
798	6.9800	-.48
625	6.9450	-.54
675	6.9500	-.56
623	6.9528	-.56
199	6.9400	-.57
049	6.9300	-.63
686	6.9400	-.63
171	6.9200	-.69
706	6.9200	-.69
144	6.9200	-.71
026	6.9100	-.73
194	6.9050	-.76
--	Method 005.00 --	
812	7.0150	-.80
559	6.9750 R	-.92
179	6.8874	-.92
033	6.8650	-.99
142	6.8500	-1.09
693	7.0250 R	-1.17
160	6.8300	-1.17
309	6.8250	-1.24
205	6.8145	-1.25
741	6.8750 R	-1.36
808	6.7850	-1.42
750	6.7750	-1.46
855	6.7800	-1.47
670	6.7700	-1.51
358	6.7650	-1.52
353	6.7750	-1.55
650	6.7500	-1.60
618	6.7652	-1.61
265	6.7100	-1.87
853	6.6950	-1.93
616	6.6650	-2.07
780	6.6050	-2.44
615	6.5450	-2.72
169	6.5300	-2.79
609	6.3800 s	-3.61
417	5.6250 s	-7.75
529	0.6900 s	-34.44
--	Method 005.02 --	
610	7.3000	.71
--	Method 005.11 --	
679	10.105 S	12.84
720	9.5450 S	10.48
731	9.4150 S	9.77
631	7.4000	.77
713	7.3450	.52
Avg	7.2317	
178	6.9500	-1.28

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 005.99 --	
861	7.5450	1.78
728	7.4000	1.22
208	7.3650	1.03
652	7.1500	.64
673	7.1500	.25
826	7.1350	.08
Avg	7.1175	
065	7.0800	-.16
546	7.0800	-.26
574	7.0100	-.53
096	6.9500	-.73
122	6.7850	-1.48
613	6.7600	-1.49
727	7.0250 R	-2.09
--	Method 006.05 --	
710	2.0900	.71
--	Method 008.02 --	
171	34.900	1.28
187	34.875	1.26
035	34.820	1.22
148	34.020	.58
504	33.965	.54
675	33.435	.15
405	33.425	.11
Avg	33.292	
309	33.170	-.14
728	32.830	-.45
045	32.600	-.57
098	32.750 R	-.74
353	32.405	-.74
619	31.700	-1.27
226	31.310 R	-1.66
590	30.650	-2.11
527	23.685 s	-7.64

Lab	Average*	Index
--	Method 008.05 --	
265	34.650	-.71
--	Method 008.08 --	
037	34.805	1.85
035	34.490	1.51
693	33.915	1.06
278	33.850	.84
164	33.850	.79
202	33.645	.68
510	33.650	.59
001	33.660	.58
049	33.475	.54
033	33.550	.49
Avg	33.141	
357	32.950	-.22
026	32.780	-.48
413	32.800	-.51
106	32.665	-.53
592	32.465	-.75
646	32.365	-1.06
354	32.130	-1.16
160	31.990	-1.28
294	31.980	-1.29
653	31.805	-1.58
686	27.725 s	-6.04
--	Method 008.99 --	
307	34.350	1.31
613	33.470	.62
358	32.855	.33
Avg	32.712	
297	32.400	-.32
610	32.650	-.52
676	30.549	-1.71
--	Method 009.04 --	
504	51.555	.71

Lab	Average*	Index
--	Method 009.07 --	
307	50.750	1.65
309	49.995	1.19
693	48.740	1.01
590	48.500	.58
297	48.600	.55
675	47.715	.41
187	48.065	.27
045	47.850	.24
Avg	47.503	
179	46.914	-.36
226	46.020	-.80
038	45.240	-1.16
353	44.960	-1.22
098	44.195	-1.68
--	Method 009.09 --	
354	50.330	1.68
653	49.650	1.30
106	49.030	.97
357	48.600	.75
294	48.600	.73
037	48.095	.45
202	48.070	.45
265	47.600	.33
Avg	47.261	
049	47.120	-.37
164	46.550	-.39
278	46.600	-.53
510	46.250	-.57
592	45.690	-.86
413	45.500	-1.08
686	44.775	-1.38
160	43.720	-1.93
--	Method 009.99 --	
613	49.285	1.52
610	47.800	.51
676	47.883	.33
728	47.700	.30

Lab	Average*	Index
--	Method 009.99 --	
Avg	47.536	
619	47.400	-.12
643	45.150	-1.65
720	38.870 S	-5.99
--	Method 010.03 --	
843	7.7050	.71
Avg	7.7050	
618	6.8127 S	-9.94
826	5.5750 S	-17.94
546	4.6300 S	-26.54
--	Method 010.11 --	
539	9.3000	1.96
720	9.0050	1.36
631	8.3950	.07
Avg	8.3603	
713	8.2750	-.19
731	8.3400	-.19
178	8.1500	-.45
567	7.9500	-.86
679	7.9250	-.92
038	7.9025	-.96
--	Method 010.99 --	
401	9.0650	1.99
652	8.6500	.83
673	8.6500	.83
529	8.5000	.39
527	8.4300	.20
613	8.4000	.10
Avg	8.3635	
852	8.2950	-.20
861	8.1600	-.58
065	8.1040	-.74
168	7.9550	-1.16
417	7.7900	-1.64
712	6.8900 s	-4.23

Lab	Average*	Index
--	Method 011.01 --	
108	10.265	2.64
305	10.190	2.44
625	10.070	2.12
780	9.9050	1.69
623	9.7517 R	1.50
741	9.7200 R	1.34
559	9.7700	1.33
596	9.7500	1.28
822	9.6950	1.13
242	9.6800	1.09
643	9.6500	1.08
541	9.6650	1.05
675	9.6300	.96
859	9.6010	.88
750	9.6000	.88
563	9.5600	.77
737	9.5600	.77
798	9.5400	.72
855	9.4950	.67
735	9.5050	.64
309	9.4350 R	.62
205	9.4545	.55
766	9.4750	.55
100	9.4700	.54
848	9.4700	.53
358	9.4250	.48
511	9.4500	.48
812	9.4350	.45
650	9.4300	.43
144	9.3850	.41
653	9.4150	.39
132	9.3900	.38
098	9.3950	.34
300	9.2850	.33
728	9.3850	.31
520	9.3700	.27
233	9.3450	.26
670	9.3600	.26
164	9.3650	.25

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 011.01	--
573	9.3600	.25
510	9.3500	.25
651	9.3280	.16
350	9.3255	.15
148	9.3200	.14
723	9.3050	.09
354	9.2900	.06
194	9.2850	.06
Avg	9.2696	
781	9.2291	-.11
226	9.2500	-.14
026	9.2150	-.15
722	9.2075	-.17
843	9.2650	-.17
033	9.2050	-.18
208	9.2000	-.18
160	9.1600	-.29
824	9.1500	-.34
294	9.1500	-.34
760	9.1400	-.38
202	9.1000	-.46
021	9.0850	-.49
660	9.1250	-.54
119	9.0650	-.55
171	9.0400	-.61
265	9.0050	-.70
808	9.0150	-.74
598	8.9850	-.75
034	8.9800	-.77
062	8.9865	-.81
620	8.9538	-.84
175	8.9500	-.86
553	9.1000 R	-1.01
591	8.8690	-1.08
710	8.8500	-1.11
674	9.0050 R	-1.13
229	8.8400	-1.14
706	8.7850	-1.28
552	8.7850	-1.29

Lab	Average*	Index
--	Method 011.01	--
622	8.7464	-1.39
152	8.7000	-1.51
574	8.6250	-1.73
856	8.5450	-1.92
179	8.4895	-2.07
646	8.4100	-2.28
407	8.1950	-2.85
--	Method 012.00	--
178	16.050	1.57
638	14.700	.49
689	14.600	.44
559	14.250	.31
567	14.100	.01
Avg	14.086	
673	12.750	-1.08
354	12.150	-1.53
--	Method 012.01	--
096	12.250	.88
Avg	11.445	
676	10.640	-.85
--	Method 012.03	--
098	13.555	.88
Avg	13.458	
297	13.360	-.86
--	Method 012.04	--
106	15.450	1.29
278	14.900	.77
Avg	14.153	
160	14.090	-.22
353	13.475	-.72
510	12.850	-1.29

Lab	Average*	Index
--	Method 012.11	--
720	13.990	1.62
713	11.735	.10
Avg	11.596	
679	11.470	-.13
178	11.000	-.43
731	9.7850	-1.29
--	Method 012.99	--
619	33.500 S	.00
--	Method 013.02	--
843	3.1700 R	2.16
826	3.6650	2.07
051	3.4400 R	1.65
735	3.4650	1.65
650	3.4450	1.38
812	3.3300	1.02
760	3.3150	.98
033	3.2850	.88
026	3.2350	.73
553	3.1900	.60
808	3.0550	.48
643	3.1300	.47
171	3.1050	.43
798	3.1400	.43
001	3.1300	.40
856	3.0900	.29
100	3.0750	.26
Avg	3.0036	
855	2.9800	-.08
741	2.9650	-.16
164	2.9350	-.30
766	2.8900	-.36
750	2.8350	-.54
354	2.8300	-.54
208	2.8300	-.58
148	2.8100	-.61
824	2.7500	-.81
616	2.7100	-.92

Lab	Average*	Index
--	Method 013.02	--
853	2.6400	-1.21
780	2.6050	-1.25
016	2.3500	-2.04
229	2.3200	-2.14
675	0.8150 s	-6.84
--	Method 013.03	--
591	2.7465	.71
--	Method 013.08	--
591	2.0805	.71
--	Method 013.10	--
843	3.1700 R	2.22
160	3.2485	1.31
353	3.2050	1.17
660	3.0100	.62
673	3.0000	.57
652	3.0000	.57
Avg	2.8035	
096	2.7100	-.51
539	2.6200	-.58
062	2.6360	-.59
610	2.4000	-1.17
845	2.2050	-1.75
--	Method 013.11	--
417	2.9950	.71
--	Method 013.12	--
Avg	2.4850	
720	2.4850	-.71
731	1.1800 S	-5.28
--	Method 013.99	--
861	3.4450	.84
065	3.2280	.42
Avg	3.0077	
689	2.3500	-1.27

Lab	Average*	Index
--	Method 015.00	--
520	90.000	2.30
616	83.750	1.81
154	60.000	.23
011	60.193	.03
Avg	59.911	
049	57.650	-.18
345	58.895	-.23
164	55.700	-.32
510	52.500	-.57
560	51.250	-.68
021	51.000	-.68
169	49.650	-.78
353	48.350	-.91
--	Method 016.00	--
619	0.0730	.71
--	Method 017.00	--
021	9.0000 R	2.39
049	9.8050	1.22
560	9.9200	1.21
693	9.2750	.48
045	9.2300	.39
Avg	8.9038	
345	8.6450	-.35
358	8.5250	-.60
353	8.4450	-.61
510	7.3850	-1.82
--	Method 017.99	--
307	9.3550	-.71
--	Method 018.02	--
567	0.1100	.86
Avg	0.0891	
011	0.0683	-.87

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 019.00 --	
625	1.0700 s	16.01
043	0.7600	2.32
552	0.7150	1.15
622	0.7142	.45
194	0.7150	.40
175	0.7100	.11
Avg	0.7074	
623	0.6937	-.61
620	0.7020	-.65
651	0.7020	-.66
849	0.6900	-.77
679	0.6900	-.89
689	0.6900	-.89
--	Method 019.01 --	
856	0.8850 s	3.36
646	0.8350	2.37
122	0.8050	1.79
720	0.7900	1.52
152	0.7900	1.48
588	0.7855	1.38
026	0.7800	1.29
263	0.7746	1.17
591	0.7360 R	1.01
529	0.7400 R	.92
687	0.7500	.72
038	0.7480	.67
001	0.7395 X	.54
233	0.7150	.49
208	0.7185	.45
619	0.7260	.29
731	0.7150	.29
631	0.7150	.29
179	0.7280	.28
722	0.7278	.26
354	0.7250	.22
670	0.7210	.13
674	0.7200	.10
675	0.7150	.10
--	Method 019.01 --	
653	0.7150	.10
036	0.7166	.05
Avg	0.7147	
039	0.7097	-.14
350	0.7087	-.21
035	0.7050	-.21
010	0.7100	-.22
169	0.7000	-.29
305	0.7000	-.29
018	0.6970	-.48
142	0.6900	-.48
669	0.7035	-.65
178	0.6800	-.70
505	0.6800	-.78
013	0.7135 R	-.85
307	0.7100 R	-.98
205	0.6620	-1.03
563	0.6584	-1.10
723	0.6550	-1.20
014	0.6425	-1.42
650	0.6400	-1.47
612	0.6200	-1.85
710	0.5850	-2.53
108	0.5450 s	-3.35
--	Method 019.03 --	
026	0.7950	.82
043	0.7850	.65
036	0.7784	.53
Avg	0.7477	
307	0.7300	-.46
686	0.6500	-1.71
--	Method 019.05 --	
208	0.9355 s	4.21
003	0.9250 s	4.03
168	0.8120	2.13
029	0.7938	1.73
598	0.7832	1.50
520	0.7750	1.49
510	0.7550	1.03
405	0.7450	.82
265	0.7450	.82
098	0.7350	.78
171	0.7300	.58
695	0.7250	.53
164	0.7200	.52
226	0.7200	.52
413	0.7250	.47
049	0.7050	.46
148	0.7225	.42
100	0.7000	.18
Avg	0.6990	
242	0.6950	-.11
011	0.6960	-.23
610	0.6950	-.28
026	0.6805	-.33
407	0.6750	-.43
074	0.6800	-.49
144	0.6700	-.55
297	0.6700	-.63
300	0.6635	-.65
089	0.6500	-.87
358	0.6500	-.94
511	0.6450	-1.00
553	0.6395	-1.12
229	0.6300	-1.24
512	0.6356	-1.26
051	0.6300	-1.28
294	0.5700	-2.30
--	Method 019.08 --	
629	0.7850	.98
848	0.7650	.79
673	0.7300	.27
590	0.7250	.26
Avg	0.7125	
689	0.7000	-.22
--	Method 019.08 --	
706	0.5700	-1.93
--	Method 019.09 --	
021	0.8500	1.90
353	0.8300	1.55
202	0.8250	1.49
160	0.8074	1.21
042	0.8030	1.19
199	0.8071	1.18
028	0.8000	1.16
567	0.7950	1.13
027	0.7555	.90
186	0.7610	.78
047	0.7750	.75
366	0.7700	.57
Avg	0.7379	
309	0.7300	-.21
726	0.7225	-.26
106	0.7170	-.36
037	0.7140	-.40
848	0.7200	-.45
572	0.7160	-.46
190	0.7050	-.61
045	0.6990	-.68
187	0.6976	-.68
096	0.7000	-.72
278	0.6950	-.77
560	0.6915	-.79
616	0.6895	-.87
038	0.6870	-.87
357	0.6800	-.99
693	0.6900	-1.17
345	0.6610	-1.31
154	0.6433	-1.62
--	Method 019.99 --	
613	0.7180	.98
065	0.7042	.37
Avg	0.6991	
--	Method 019.99 --	
692	0.6750	-1.19
--	Method 020.00 --	
722	11.916	1.27
Avg	7.4120	
563	5.9200	-.42
164	4.4000	-.84
--	Method 020.01 --	
021	15.500	1.34
567	14.150	1.05
096	12.000	.51
Avg	9.8288	
154	9.5500	-.09
011	8.4615	-.32
171	5.6500	-.98
560	3.4900	-1.51
--	Method 020.99 --	
675	13.920	1.27
Avg	12.555	
169	12.095	-.44
616	11.650	-.84
--	Method 021.01 --	
563	2.5770	1.10
619	2.5750	1.10
164	1.8500	.10
Avg	1.8047	
689	1.7000	-.21
208	1.5150	-.41
722	0.6114	-1.69
--	Method 021.02 --	
693	3.0200 s	5.95
567	2.3800	1.08
029	2.3800	1.04
186	2.3500	1.02
616	2.3150	1.00

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 021.02	--
021	2.3000	.81
572	2.1800	.36
154	2.1000	.33
038	2.1500	.31
Avg	2.0670	
011	2.0630	-.03
171	2.0500	-.17
629	2.0050	-.20
106	1.6550	-1.31
560	1.5300	-1.71
169	1.4800	-1.87
--	Method 021.99	--
607	2.3420	.87
Avg	2.0180	
610	1.6940	-.87
--	Method 022.01	--
305	196.56 s	38.58
038	28.500	1.75
505	28.000	1.65
043	26.950	1.43
175	27.000	1.43
588	24.000	.76
653	23.570	.69
035	23.000	.54
619	22.150	.47
669	22.455	.43
563	21.840	.29
208	21.450	.20
646	21.325	.17
731	20.550	.16
350	21.100	.14
Avg	20.548	
720	20.459	-.02
675	19.160	-.31
307	18.950	-.37
014	19.000	-.40
354	18.250	-.50
--	Method 022.01	--
689	18.100	-.54
722	17.904	-.60
529	17.350	-.70
674	16.115	-.97
590	15.250	-1.16
710	13.500	-1.55
178	13.000 R	-1.78
591	8.3275	-2.68
--	Method 022.03	--
144	30.000	2.33
297	27.500	1.73
226	26.500	1.54
265	26.000	1.46
510	26.000	1.40
520	25.000 R	1.34
208	24.250	.98
011	23.425	.79
405	22.500	.59
229	21.000	.33
029	20.435	.32
Avg	19.981	
164	19.000	-.23
148	19.010	-.23
610	19.000	-.32
629	18.250	-.40
026	18.300	-.40
098	17.800	-.53
300	17.865	-.55
003	17.500	-.58
074	17.500	-.58
171	17.550	-.58
242	17.000	-.68
049	16.975	-.70
407	16.830	-.72
358	16.290	-.85
695	14.500	-1.26
100	14.500	-1.26
598	14.000	-1.39
--	Method 022.03	--
553	0.0017 s	-4.59
--	Method 022.05	--
021	34.450	2.07
202	33.000	1.66
366	33.000	1.66
160	31.300	1.25
726	31.723	1.24
186	30.000 R	1.19
199	30.030	.73
042	28.750	.60
567	29.500	.58
027	29.345	.52
038	29.300	.51
037	29.250	.50
353	28.115	.28
413	28.250	.25
309	28.050	.14
106	27.900	.07
Avg	27.665	
294	26.740	-.28
560	26.650	-.31
187	26.480	-.37
357	26.500	-.39
190	26.325	-.41
045	26.550	-.45
693	25.945	-.53
616	25.750	-.61
572	26.250	-.64
345	25.000	-.83
154	25.000	-.87
278	24.700	-.93
096	24.000	-1.16
035	23.000	-1.42
169	19.100	-2.62
--	Method 022.99	--
613	128.50 S	35.64
846	28.365	1.27
Avg	24.668	
692	23.100	-.58
607	22.539	-.74
--	Method 023.01	--
619	0.0000	.00
--	Method 025.01	--
175	255.00	2.03
722	237.05 R	1.38
720	234.85	1.09
653	233.32	1.04
014	215.50	.70
354	226.30	.70
619	222.00	.65
675	224.70	.63
563	222.83	.55
038	217.00	.28
208	214.00	.14
Avg	211.21	
591	211.20	-.03
689	207.30	-.26
731	206.60	-.27
350	204.15	-.33
307	200.00	-.52
305	199.70	-.57
529	202.70	-.61
670	197.58	-.66
043	165.55	-2.11
856	167.50 R	-2.15
710	164.00	-2.19
--	Method 025.03	--
208	261.00	2.55
265	234.00 R	1.56
510	235.50	1.52
520	233.00	1.48
--	Method 025.03	--
029	232.02	1.40
049	222.79	1.07
098	214.00	.73
148	215.50	.71
011	209.25	.45
074	207.00	.42
242	203.50	.34
171	202.50	.26
100	204.00	.25
Avg	198.01	
164	198.00	-.04
629	193.00	-.21
598	193.50	-.21
553	196.00	-.26
226	186.00	-.49
405	186.50	-.50
610	186.50	-.52
297	185.50	-.54
026	184.50	-.56
229	183.00	-.62
358	179.70	-.75
144	177.40	-.83
300	173.55	-.99
003	172.00	-1.05
407	164.00	-1.37
695	145.00	-2.15
--	Method 025.05	--
366	253.00	2.02
042	235.50	1.35
567	233.50	1.31
186	231.00 R	1.28
021	232.00	1.22
199	227.00	1.03
045	216.50	.66
413	215.00	.61
187	212.14	.49
038	204.00	.48
353	208.20	.41

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 025.05 --	
037	207.50	.33
Avg	198.63	
096	195.00	-.22
511	186.50	-.45
693	183.50	-.55
160	181.40	-.64
560	176.00	-.87
309	173.50	-.92
345	171.90	-.98
616	169.00	-1.08
294	164.18	-1.25
106	163.00	-1.30
169	161.50	-1.35
278	90.750 s	-3.93
--	Method 025.99 --	
607	211.82	1.23
Avg	185.44	
692	179.50	-.28
613	165.00	-.95
--	Method 026.00 --	
154	0.0750	.71
--	Method 026.99 --	
619	0.0000	.00
--	Method 027.01 --	
609	0.5550 s	21.52
720	0.2850 S	3.66
208	0.2535	1.58
142	0.2500	1.33
305	0.2500	1.33
263	0.2459	1.06
169	0.2450	1.06
505	0.2450	1.06
175	0.2400 R	.94
669	0.2405 R	.86
591	0.2405	.79

Lab	Average*	Index
--	Method 027.01 --	
038	0.2405	.71
731	0.2400	.67
653	0.2360	.43
014	0.2350	.34
350	0.2326	.22
588	0.2320	.16
035	0.2300	.01
590	0.2300	.01
Avg	0.2298	
722	0.2238	-.45
563	0.2210	-.59
013	0.2185	-.81
619	0.2165	-.90
650	0.2153	-.99
307	0.2150	-1.04
674	0.2100	-1.31
675	0.2100	-1.31
529	0.2100	-1.31
710	0.2000	-1.97
--	Method 027.03 --	
294	100.00 s	7678.66
003	0.2900 s	4.32
208	0.2675	2.62
520	0.2550	1.67
405	0.2500	1.25
029	0.2470	1.16
413	0.2450	.94
265	0.2450	.94
510	0.2400	.48
011	0.2388	.44
226	0.2350	.40
100	0.2350	.40
098	0.2350	.40
297	0.2350	.40
610	0.2350	.40
300	0.2370	.39
598	0.2385	.36
171	0.2370	.26

Lab	Average*	Index
--	Method 027.03 --	
Avg	0.2338	
049	0.2300	-.29
074	0.2300	-.29
695	0.2309	-.33
164	0.2290	-.38
148	0.2280	-.45
242	0.2250	-.78
511	0.2300	-.82
026	0.2208	-1.00
358	0.2200	-1.06
553	0.2200	-1.09
407	0.2165	-1.33
144	0.2150	-1.50
229	0.2100	-1.83
--	Method 027.05 --	
366	13.135 s	1249.47
160	0.2896 S	3.64
353	0.2600	1.56
202	0.2600	1.56
042	0.2560	1.34
726	0.2556	1.26
199	0.2499	.87
027	0.2485	.81
190	0.2450	.64
021	0.2450	.64
186	0.2385	.45
616	0.2425	.38
106	0.2425	.37
572	0.2380	.28
567	0.2400	.19
Avg	0.2372	
560	0.2355	-.21
035	0.2350	-.37
357	0.2350	-.37
278	0.2350	-.37
037	0.2285	-.60
187	0.2250	-.84
693	0.2300 R	-.84

Lab	Average*	Index
--	Method 027.05 --	
096	0.2250	-.90
345	0.2250	-.90
309	0.2235	-1.04
154	0.2208	-1.13
045	0.2200	-1.18
038	0.2000	-2.55
--	Method 027.99 --	
613	0.4635 S	20.63
065	0.2393	.88
Avg	0.2296	
692	0.2200	-.85
--	Method 028.01 --	
013	93.000 R	2.50
505	89.500	1.90
038	88.000	1.70
722	85.258	1.36
175	85.000	1.30
035	83.500	1.11
208	82.500	.96
619	79.550	.57
720	79.350	.54
014	78.000	.44
669	77.530	.34
731	75.600	.03
Avg	75.355	
354	75.145	-.06
646	74.275	-.15
178	74.500	-.35
588	72.500	-.39
307	72.750	-.44
563	71.755	-.49
529	70.800	-.61
350	70.400	-.67
305	70.270	-.68
590	67.750	-1.02
689	67.750	-1.06
629	67.250	-1.09

Lab	Average*	Index
--	Method 028.01 --	
710	62.500	-1.73
043	62.450	-1.74
--	Method 028.03 --	
629	2380.0 s	281.68
208	86.500	1.66
405	86.500	1.65
510	86.000	1.60
520	85.000 R	1.55
265	82.500	1.17
297	82.500	1.17
003	81.500	1.04
226	79.000	.82
011	79.505	.81
029	77.190	.59
098	77.500	.56
148	76.940	.49
100	74.500	.20
Avg	72.968	
675	71.525	-.18
074	71.000	-.27
358	71.835	-.30
229	70.500	-.31
171	70.500	-.31
164	70.350	-.33
242	69.500	-.43
598	69.000	-.50
026	68.600	-.53
049	68.725	-.55
300	68.295	-.57
144	68.250	-.58
610	66.500	-.81
553	66.100	-.84
407	64.760	-1.00
511	59.000	-1.72
695	51.500	-2.62

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 028.05	--
160	108.80 s	4.43
353	99.510	2.30
366	96.500	1.63
096	91.500 R	1.52
042	93.550	1.12
021	93.900	1.07
027	93.115	1.07
202	93.500	1.02
186	92.500	.93
616	91.200	.46
567	89.500	.34
726	90.093	.22
106	89.500	.20
190	89.635	.12
Avg	89.097	
693	88.490	-.15
309	88.750	-.29
045	88.150	-.33
560	87.550	-.44
038	88.200	-.44
357	87.000	-.46
278	86.000	-.68
413	86.500	-.79
572	87.000	-.81
035	85.500	-.96
187	84.480	-1.02
154	83.000	-1.36
345	81.850	-1.59
037	81.550	-1.66
169	66.000 s	-5.08
294	0.2300 s	-19.55
--	Method 028.99	--
846	80.620	1.14
613	81.650	1.07
Avg	80.382	
692	79.700	-.50
607	79.558	-.89

Lab	Average*	Index
--	Method 031.00	--
622	0.4327	.71
--	Method 031.01	--
122	0.5250 s	4.13
625	0.5100 A	3.23
706	0.4950	2.56
035	0.4900	2.33
629	0.4800	1.90
001	0.4685	1.41
849	0.4650	1.27
175	0.4600	1.12
650	0.4600	1.12
263	0.4600	1.03
669	0.4565	.94
563	0.4570	.91
619	0.4480	.86
731	0.4550	.85
674	0.4500	.60
651	0.4465	.45
026	0.4450	.44
728	0.4450	.44
620	0.4398	.36
036	0.4428	.30
038	0.4365	.28
848	0.4400	.17
679	0.4400	.17
Avg	0.4361	
018	0.4335	-.11
016	0.4340	-.16
233	0.4350	-.22
169	0.4350	-.22
710	0.4350	-.22
354	0.4350	-.22
670	0.4300	-.26
623	0.4305	-.49
152	0.4300	-.51
350	0.4244	-.51
675	0.4250	-.53
722	0.4240	-.63

Lab	Average*	Index
--	Method 031.01	--
108	0.4350	-.65
638	0.4200	-.70
142	0.4200	-.70
178	0.4250	-.81
723	0.4150	-.94
194	0.4150	-.94
626	0.4150	-.94
646	0.4150	-1.12
529	0.4100	-1.13
305	0.4100	-1.13
687	0.4100	-1.21
039	0.4070	-1.26
588	0.4050	-1.35
689	0.4050	-1.36
205	0.4060	-1.46
653	0.4040	-1.47
511	0.3050 s	-5.68
591	0.3045 s	-5.71
609	0.1550 s	-12.17
--	Method 031.02	--
013	0.4500	1.19
043	0.4400	.57
Avg	0.4309	
011	0.4210	-.68
505	0.4200 R	-.92
014	0.4125	-1.14
--	Method 031.03	--
720	0.5450 S	4.04
208	0.4800	1.68
504	0.4619 R	1.29
036	0.4462	.45
026	0.4350	.19
Avg	0.4335	
043	0.4300	-.13
047	0.4150	-.69
307	0.3950	-1.39

Lab	Average*	Index
--	Method 031.05	--
154	0.6433 s	8.64
160	0.5700 s	5.55
208	0.5390 s	4.26
353	0.4900	2.22
021	0.4750 R	1.88
567	0.4700	1.59
037	0.4750	1.56
366	0.4700	1.41
265	0.4700	1.41
405	0.4700	1.34
029	0.4646	1.25
610	0.4650	1.15
106	0.4650	1.13
027	0.4505 R	1.04
520	0.4550	.95
598	0.4578	.85
168	0.4570	.80
042	0.4500	.77
035	0.4550	.75
028	0.4550	.75
190	0.4450	.70
186	0.4450	.70
300	0.4534	.67
202	0.4500	.66
572	0.4470	.54
560	0.4500	.51
098	0.4500	.51
003	0.4500	.51
510	0.4500	.51
038	0.4485	.47
148	0.4490	.47
199	0.4431	.22
407	0.4420	.17
695	0.4400	.09
Avg	0.4380	
413	0.4350	-.24
096	0.4350	-.24
171	0.4375	-.32
164	0.4300	-.33

Lab	Average*	Index
--	Method 031.05	--
848	0.4300	-.33
049	0.4300	-.33
616	0.4280	-.43
726	0.4266	-.48
074	0.4300	-.54
045	0.4245	-.57
345	0.4200	-.75
089	0.4200	-.75
187	0.4185	-.82
309	0.4157	-.95
100	0.4150	-.99
357	0.4150	-.99
512	0.4169	-1.01
358	0.4200	-1.13
226	0.4200	-1.13
144	0.4100	-1.17
242	0.4100	-1.17
278	0.4050	-1.40
693	0.4150 R	-1.42
553	0.4060	-1.43
294	0.4000	-1.59
229	0.4000	-1.59
297	0.4000	-1.65
051	0.3950	-1.91
--	Method 031.06	--
686	0.5250 S	.00
--	Method 031.99	--
631	0.5350 S	5.71
673	0.4350	.97
065	0.4329	.84
590	0.4250	.53
613	0.4180	.14
Avg	0.4151	
552	0.4000	-.86
692	0.3800	-1.67

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 032.01	--
856	1.2500	2.14
505	1.2050	1.58
175	1.1600	1.05
307	1.1500	.99
036	1.1450	.86
013	1.1000 R	.79
208	1.1375	.77
350	1.1322	.71
098	1.1250	.63
001	1.1180	.54
612	1.1150	.53
674	1.1000	.32
142	1.1000	.32
035	1.0750	.06
Avg	1.0731	
038	1.0650	-.11
039	1.0634	-.12
619	1.0700	-.13
675	1.0600	-.16
205	1.0550	-.22
670	1.0475	-.37
563	1.0299	-.52
305	1.0100	-.76
609	1.0100	-.77
653	1.0095	-.78
354	0.9950	-.94
720	0.9900 R	-1.47
650	0.9300	-1.72
529	0.9300	-1.75
710	0.8850	-2.26
591	0.8100 s	-3.16
--	Method 032.02	--
669	1.1835	1.66
014	1.1470	.70
588	1.1210	.16
Avg	1.1194	
169	1.1050	-.39
590	1.0850	-.89

Lab	Average*	Index
--	Method 032.02	--
731	1.0750	-1.14
108	1.0150 s	-3.14
--	Method 032.05	--
309	1.5000 s	8.17
160	1.3780 s	4.10
226	1.2400	2.11
190	1.2100	1.68
726	1.2024	1.55
405	1.1900	1.38
028	1.1900	1.38
560	1.1850	1.30
021	1.1700	1.23
096	1.1500 R	1.07
520	1.1500 R	1.07
616	1.1650	1.01
208	1.1575	.97
294	1.1600	.95
353	1.1450	.81
027	1.1450	.81
572	1.1350	.77
300	1.1445	.72
202	1.1400	.71
695	1.1400	.67
199	1.1405	.66
413	1.1300	.53
510	1.1300	.53
038	1.1300	.51
265	1.1250	.44
042	1.1200	.39
154	1.1203	.39
407	1.1100	.22
278	1.0950	.22
357	1.1050	.17
187	1.0950	.07
Avg	1.0945	
366	1.0850	-.15
610	1.0900	-.16
011	1.0841	-.17

Lab	Average*	Index
--	Method 032.05	--
693	1.0800	-.21
106	1.0800	-.21
148	1.0780	-.24
026	1.0725	-.32
186	1.0750	-.35
037	1.0800	-.35
045	1.0700	-.38
100	1.0700	-.38
297	1.0600	-.52
010	1.0550	-.57
029	1.0520	-.66
358	1.0500	-.77
511	1.0400	-.83
171	1.0350	-.86
164	1.0300	-.94
144	1.0250	-1.12
035	1.0150	-1.14
242	1.0150	-1.14
003	1.0100	-1.21
345	1.0050	-1.29
049	0.9900	-1.61
229	0.9650	-1.86
553	0.9630	-1.92
598	0.9077	-2.68
051	0.8650 s	-3.36
567	0.1100 s	-14.13
--	Method 032.99	--
065	1.0747	.96
Avg	1.0573	
692	1.0400	-.76
613	0.7875 S	-11.89
--	Method 033.00	--
539	0.9050	1.92
013	0.8650	1.49
208	0.8405	1.25
407	0.7910	.71
849	0.7850	.64

Lab	Average*	Index
--	Method 033.00	--
353	0.7650	.50
693	0.7700	.49
366	0.7550	.33
160	0.7510	.29
567	0.7300	.12
731	0.7250	.05
Avg	0.7248	
045	0.7075	-.29
596	0.6900	-.38
511	0.7000	-.41
588	0.6850	-.43
675	0.6750	-.53
689	0.6450	-.86
016	0.6425 R	-1.05
638	0.6250	-1.07
679	0.5550	-1.83
297	0.5300	-2.07
309	0.4360 S	-3.08
695	0.4350 S	-3.09
--	Method 033.01	--
650	0.8950 s	4.03
686	0.8350	2.45
202	0.7900	1.26
610	0.7845	1.17
307	0.7850	1.14
559	0.7700	.91
194	0.7750	.88
010	0.7500 R	.82
021	0.7550	.52
413	0.7550	.52
205	0.7605	.49
278	0.7600	.47
510	0.7600	.47
051	0.7450	.40
164	0.7500	.34
026	0.7450	.15
229	0.7450	.15
Avg	0.7420	

Lab	Average*	Index
--	Method 033.01	--
354	0.7400	-.05
096	0.7400	-.05
199	0.7350	-.23
175	0.7350	-.23
242	0.7300	-.32
042	0.7335	-.38
029	0.7250	-.60
226	0.7200	-.64
011	0.7165	-.67
098	0.7150	-.81
590	0.7050	-1.05
178	0.7300 R	-1.10
100	0.6900	-1.39
710	0.6750	-1.77
106	0.6440	-2.58
--	Method 033.03	--
144	0.8200	1.19
726	0.7700	.80
190	0.7650	.76
505	0.6850	.44
Avg	0.6967	
598	0.6300	-.24
122	0.5100	-1.15
265	0.4600 S	-1.51
--	Method 033.05	--
171	0.7700	.71
--	Method 033.99	--
552	0.8450	1.12
003	0.8350	1.04
861	0.8250	.95
619	0.7520	.32
673	0.7250	.10
Avg	0.7146	
358	0.6000	-.98
855	0.5700	-1.24
723	0.5650	-1.28

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 034.01	--
038	0.4720	.71
--	Method 034.04	--
190	0.5650	1.38
572	0.5360	1.14
610	0.5355	1.06
Avg	0.4679	
171	0.4500 X	-.29
026	0.4450	-.39
169	0.4350	-.47
208	0.4070	-.87
164	0.3700	-1.40
--	Method 034.05	--
693	0.8400 S	6.33
047	0.5900	1.21
Avg	0.4935	
560	0.4750	-.24
154	0.4155	-.99
--	Method 034.99	--
098	0.4250	-.71
--	Method 035.00	--
591	0.3700 S	4.49
505	0.3650 S	4.27
263	0.3597 S	4.03
122	0.3450 S	3.44
720	0.3100 R	2.25
175	0.3100	1.87
305	0.3000	1.44
142	0.3000	1.37
653	0.2855	.82
208	0.2865	.78
670	0.2855	.72
233	0.2800	.65
307	0.2800	.48
675	0.2750	.34
037	0.2720	.13
--	Method 035.00	--
152	0.2700	.03
Avg	0.2692	
619	0.2635	-.26
722	0.2586	-.49
038	0.2585	-.52
650	0.2570	-.56
529	0.2565	-.66
710	0.2550	-.67
609	0.2550	-.67
205	0.2455	-1.06
035	0.2450	-1.10
354	0.2150	-2.43
--	Method 035.01	--
856	0.3100	1.13
686	0.2950	.31
Avg	0.2936	
563	0.2757	-1.06
--	Method 035.03	--
003	0.3250	2.34
202	0.3150	1.89
353	0.3100	1.65
021	0.3000 R	1.50
510	0.3040	1.38
190	0.3000	1.28
187	0.3005	1.22
160	0.2989	1.16
199	0.2972	1.08
567	0.2950	.99
038	0.2835	.87
042	0.2890	.86
186	0.2830	.80
405	0.2900	.74
520	0.2750	.68
208	0.2875	.63
265	0.2850	.56
226	0.2800	.54
029	0.2801	.46
--	Method 035.03	--
726	0.2836	.45
598	0.2799	.35
100	0.2750	.23
511	0.2750	.23
Avg	0.2737	
309	0.2735	-.07
144	0.2700	-.17
413	0.2700	-.17
089	0.2700	-.17
011	0.2692	-.31
148	0.2670	-.32
278	0.2650	-.46
096	0.2650	-.46
164	0.2650	-.46
610	0.2700	-.48
242	0.2600	-.62
695	0.2600	-.62
300	0.2635	-.67
572	0.2580	-.74
045	0.2580	-.74
098	0.2650	-.79
407	0.2525	-.98
154	0.2522	-.99
297	0.2550	-1.09
693	0.2600 R	-1.10
345	0.2455	-1.29
616	0.2430	-1.40
035	0.2400	-1.53
229	0.2400	-1.53
358	0.2400	-1.53
366	0.2450 R	-1.73
049	0.2350	-1.89
--	Method 035.05	--
169	0.3050 s	2.92
669	0.2960	2.40
590	0.2660	.44
588	0.2625	.22
294	0.2600	.04
--	Method 035.05	--
731	0.2600	.04
Avg	0.2593	
560	0.2570	-.35
171	0.2535	-.38
629	0.2550	-.42
106	0.2430	-1.07
108	0.2400	-1.38
--	Method 035.99	--
065	0.2751	1.14
Avg	0.2562	
692	0.2550	-.30
613	0.2385	-1.05
--	Method 036.00	--
297	0.2000	.94
Avg	0.1875	
307	0.1750	-.79
--	Method 036.03	--
154	0.2575	2.30
021	0.2500 R	2.16
353	0.2350	1.23
160	0.2319	1.06
186	0.2260 R	1.00
042	0.2280	.88
708	0.2280	.88
309	0.2270	.83
366	0.2200	.48
560	0.2180	.41
202	0.2150	.34
038	0.2140	.19
Avg	0.2100	
357	0.2100	.00
106	0.2050	-.25
187	0.2045	-.27
345	0.2055	-.31
045	0.2030	-.34
278	0.2000	-.49
--	Method 036.03	--
300	0.1955	-.75
171	0.1930	-.83
294	0.1900	-.97
169	0.1900	-.97
693	0.1900	-1.08
616	0.1600	-2.43
265	0.1350 s	-3.64
--	Method 036.04	--
226	0.2100	.87
Avg	0.2000	
510	0.1900	-.87
--	Method 037.01	--
043	355.25 s	19.06
720	133.78	1.96
014	127.50	1.48
669	123.12	1.18
013	119.50	1.03
035	121.50	1.01
619	116.00 R	.97
505	117.50	.91
591	114.85	.71
674	117.08	.68
653	115.36	.56
208	114.50	.47
038	114.00	.46
588	114.00	.43
350	109.15	.19
Avg	108.44	
731	107.15	-.11
675	105.44	-.23
305	105.42	-.24
722	105.43	-.27
563	102.05	-.49
307	103.25	-.54
175	100.00	-.67
178	104.50 R	-.72
590	99.050	-.73

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 037.01 --	
646	97.525	-.84
689	94.650	-1.07
354	93.720	-1.14
710	83.000	-1.97
529	80.950	-2.13
--	Method 037.03 --	
208	155.00	2.62
098	143.00	1.98
510	141.50	1.90
407	126.00	1.08
029	121.69 R	1.01
265	120.50 R	.92
011	122.23	.86
297	121.00	.80
520	118.00	.67
226	116.00	.57
229	116.00	.54
405	113.00	.37
049	107.31	.29
100	106.50	.03
Avg	106.17	
148	104.85	-.08
553	103.00	-.18
848	102.77	-.19
074	103.50	-.33
171	100.00	-.34
358	99.900	-.35
629	99.100	-.38
026	98.150	-.44
242	97.000	-.49
610	95.000	-.60
003	95.500	-.60
144	93.100	-.71
164	92.750	-.72
168	90.000	-.88
598	88.500	-.97
300	85.560	-1.12
511	79.500	-1.44

Lab	Average*	Index
--	Method 037.03 --	
695	71.500	-1.87
--	Method 037.05 --	
042	245.50 s	8.06
693	164.50 s	3.57
021	147.50	1.82
353	144.25	1.59
160	139.40	1.39
186	137.50	1.30
567	130.50 R	1.14
027	132.16	1.07
366	132.00	.76
202	129.50	.67
106	129.00	.58
038	127.00	.44
035	127.00	.44
413	126.00	.42
199	125.80	.39
294	121.63	.28
560	122.50	.22
726	121.06	.06
Avg	120.15	
345	119.41	-.14
309	117.40	-.18
187	116.72	-.22
278	112.40	-.50
045	116.00	-.52
572	110.50	-.62
357	110.50	-.62
190	109.18	-.70
096	110.00	-.91
037	105.50	-1.00
154	101.00	-1.23
169	91.600	-1.83
616	81.800	-2.46

Lab	Average*	Index
--	Method 037.99 --	
607	121.28	1.21
846	112.72	.46
Avg	109.26	
613	107.00	-.23
692	96.050	-1.33
--	Method 038.00 --	
510	2.5000	1.33
278	2.4150	1.20
029	2.0030	.42
021	1.9500	.33
Avg	1.7797	
297	1.7000	-.15
154	1.6000	-.38
693	1.2150 R	-1.14
106	1.1500	-1.16
560	0.9195	-1.59
--	Method 038.99 --	
164	1.6000	.00
--	Method 039.01 --	
164	6.3000	.71
--	Method 039.02 --	
021	11.200	.94
567	10.545	.74
011	9.0437	.10
154	8.9000	.09
Avg	8.8148	
560	4.3850	-1.75
--	Method 040.00 --	
560	7.8450	.71
--	Method 041.00 --	
011	0.4558	.71

Lab	Average*	Index
--	Method 051.00 --	
029	71.000	1.29
035	70.900	1.28
511	66.000 R	.81
036	67.000	.72
027	65.450	.58
218	62.075	.02
Avg	62.047	
043	59.450	-.38
034	56.000	-.89
013	54.550	-1.10
028	52.000	-1.48
--	Method 051.03 --	
017	87.500	1.92
003	82.650	1.59
846	73.225	.85
Avg	61.947	
014	60.950	-.08
010	60.150	-.14
039	58.255	-.28
001	57.950	-.34
038	53.090	-.71
033	51.950	-.75
016	48.400	-1.02
512	47.300	-1.11
--	Method 082.00 --	
035	0.0071	1.19
047	0.0067	.88
033	0.0060	.20
Avg	0.0059	
028	0.0053	-.67
034	0.0047	-1.35
--	Method 082.01 --	
512	0.0083 R	2.09
001	0.0081	1.47
846	0.0071	.37
Avg	0.0068	

Lab	Average*	Index
--	Method 082.01 --	
003	0.0068	-.23
038	0.0065	-.41
043	0.0056	-1.41
--	Method 082.02 --	
218	0.0079	.87
Avg	0.0070	
027	0.0061	-.86
--	Method 101.99 --	
644	192.50	.71
--	Method 104.00 --	
171	3.5000	.71
--	Method 105.00 --	
160	1.0350	.71
--	Method 106.00 --	
171	5.9500 X	.71
--	Method 106.01 --	
858	5.3300	.71
--	Method 106.02 --	
560	8.6250 s	4.62
017	5.5850 R	1.58
010	6.0350	1.37
638	5.9500	1.13
848	5.9255	1.09
860	5.8550	1.02
616	5.6700	.75
675	5.3500	.59
016	5.3950	.42
670	5.2150	.32
021	5.1250	.07
Avg	5.0971	
619	4.8750	-.35
208	5.0150	-.45

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 106.02 --	
160	4.7850	-.46
199	4.7000	-.54
563	4.2888	-1.06
096	3.7650	-1.77
610	3.6050	-1.96
--	Method 106.99 --	
003	5.7000	.71
--	Method 108.02 --	
675	5.9100	.87
Avg	3.0548	
208	0.1995	-.87
--	Method 109.02 --	
199	46.250	2.13
675	29.200	.96
Avg	15.256	
560	12.200	-.21
610	10.900	-.30
644	9.5000	-.40
208	8.1200	-.49
563	5.8750	-.64
619	0.0000	-1.05
--	Method 120.00 --	
160	0.6293 s	4.11
652	0.5750	2.29
662	0.5253	.62
644	0.5200	.45
684	0.5200	.45
571	0.5190	.40
350	0.5155	.28
Avg	0.5071	
619	0.5065	-.12
504	0.4950	-.44
675	0.4900	-.67
676	0.4840	-.78
859	0.4800	-.92
--	Method 120.00 --	
848	0.4550	-1.76
--	Method 120.05 --	
626	0.5150	.71
--	Method 121.00 --	
160	0.6803	2.37
652	0.6100	1.23
644	0.5825	.76
662	0.5780	.69
Avg	0.5360	
571	0.5350	-.04
684	0.5285	-.13
504	0.5200	-.31
619	0.5120	-.39
859	0.5030	-.54
350	0.4990	-.61
675	0.4900	-.77
676	0.4750	-1.00
848	0.4550	-1.33
--	Method 121.05 --	
626	0.5250	.71
--	Method 122.00 --	
652	0.8850	2.06
662	0.8446	1.27
644	0.8400	1.19
571	0.7825	.07
Avg	0.7791	
350	0.7780	-.04
859	0.7745	-.09
160	0.7693	-.22
619	0.7605	-.38
684	0.7660	-.39
504	0.7600	-.42
676	0.7580	-.58
675	0.7200	-1.16
848	0.6900	-1.74
--	Method 122.05 --	
626	0.7300	.71
--	Method 124.00 --	
160	0.2245	2.09
652	0.2150	1.68
684	0.1855	.57
662	0.1773	.09
Avg	0.1763	
350	0.1745	-.08
619	0.1735	-.16
571	0.1725	-.17
848	0.1750	-.22
504	0.1600	-.70
644	0.1570	-.83
859	0.1555	-.90
675	0.1450	-1.36
--	Method 124.02 --	
676	0.1440	.71
--	Method 124.05 --	
610	0.1850	.71
--	Method 125.00 --	
652	1.7150	2.22
662	1.6113	1.24
160	1.5825	.96
644	1.5590	.74
350	1.4820	.02
Avg	1.4816	
619	1.4600	-.23
684	1.4580	-.29
571	1.4450	-.35
859	1.4245	-.54
504	1.4200	-.62
676	1.3890	-.92
848	1.3600	-1.16
675	1.3550	-1.21
--	Method 125.05 --	
626	66.073 S	.00
--	Method 126.00 --	
160	0.5290	1.93
652	0.5250	1.81
662	0.4877	.66
571	0.4725	.21
684	0.4665	.20
644	0.4710	.16
Avg	0.4659	
350	0.4605	-.17
619	0.4575	-.28
504	0.4550	-.36
676	0.4520	-.47
675	0.4350	-.95
859	0.4300	-1.09
848	0.4150	-1.56
--	Method 126.05 --	
626	0.4850	.71
--	Method 127.00 --	
160	0.3063	1.66
676	0.3030	1.58
652	0.2950	1.32
504	0.2750 R	1.29
662	0.2599	.20
644	0.2575	.12
Avg	0.2536	
571	0.2490	-.16
684	0.2415	-.49
619	0.2365	-.55
350	0.2330	-.65
859	0.2270	-.84
675	0.2250	-.92
848	0.2100	-1.38
--	Method 127.05 --	
626	0.2500	.71
--	Method 128.00 --	
160	0.5051 s	6.33
662	0.3424	1.19
652	0.3350	.97
619	0.3315	.85
644	0.3295	.79
504	0.3150 R	.58
684	0.3175	.52
571	0.3165	.38
350	0.3080	.12
Avg	0.3047	
676	0.2850	-.63
848	0.2750	-.95
859	0.2660	-1.22
675	0.2450	-1.89
--	Method 128.05 --	
626	0.3400	.71
--	Method 129.00 --	
160	0.8462 s	4.59
652	0.7400	2.06
662	0.7022	1.15
644	0.6890	.84
684	0.6660	.29
619	0.6595	.13
571	0.6545	.06
Avg	0.6539	
350	0.6505	-.08
504	0.6500	-.26
859	0.6265	-.65
676	0.6135	-.96
675	0.6050	-1.17
848	0.5900	-1.52

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200923 Preconditioning/Receiving Chow, Medicate

Laboratory Averages & Accuracy Indexes

Lab	Average*	Index
--	Method 129.05	--
626	0.6550	.71
--	Method 130.00	--
160	0.5216	2.42
652	0.4650	.90
350	0.4640	.87
662	0.4516	.54
644	0.4380	.17
504	0.4350	.16
Avg	0.4318	
619	0.4220	-.28
571	0.4205	-.30
684	0.4105	-.57
676	0.4115	-.62
675	0.4050	-.73
848	0.3850	-1.27
859	0.3835	-1.30
--	Method 130.05	--
626	0.4500	1.13
Avg	0.4375	
610	0.4250	-.47
--	Method 131.00	--
160	0.1865 R	2.54
652	0.1600	1.22
859	0.1580	1.12
662	0.1541	.93
644	0.1490	.68
684	0.1440 R	.53
571	0.1355	.03
Avg	0.1351	
504	0.1300	-.25
350	0.1300	-.27
619	0.1290	-.30
848	0.1050	-1.49
675	0.1000	-1.72
--	Method 131.02	--
676	0.1505	.71
--	Method 131.05	--
610	0.1500	.87
Avg	0.1100	
626	0.0700	-.87
--	Method 132.00	--
160	0.5234	2.45
859	0.4420	.90
619	0.4280	.63
662	0.4248	.57
652	0.4150	.40
644	0.4050	.19
Avg	0.3949	
350	0.3865	-.17
571	0.3780	-.34
684	0.3575	-.74
504	0.3550	-.77
675	0.3500	-.86
676	0.3435	-.99
848	0.3250	-1.34
--	Method 132.05	--
626	0.3850	.71
--	Method 133.00	--
652	0.7150	1.68
160	0.6699	1.00
662	0.6495	.72
644	0.6310	.45
571	0.6130	.18
Avg	0.6011	
619	0.5790	-.34
684	0.5690	-.49
676	0.5650	-.53
675	0.5500	-.76
504	0.5000 R	-1.59
848	0.4700	-1.92
--	Method 133.05	--
626	0.5650	.71
--	Method 134.00	--
160	0.4866	1.97
652	0.4700	1.48
662	0.4561	1.03
859	0.4300	.26
Avg	0.4235	
619	0.4205	-.10
684	0.4165	-.22
571	0.4140	-.30
676	0.4120	-.36
644	0.4095	-.44
350	0.3970	-.83
675	0.3950	-.90
848	0.3750	-1.52
504	0.3550 R	-2.28
--	Method 134.05	--
626	0.4500	.00
--	Method 135.00	--
652	0.4250	1.92
160	0.4156	1.56
644	0.3910	.66
662	0.3878	.57
Avg	0.3729	
859	0.3725	-.09
684	0.3680	-.18
350	0.3680	-.20
571	0.3650	-.31
619	0.3555	-.64
676	0.3520	-.77
504	0.3500 R	-.92
848	0.3400	-1.21
675	0.3350	-1.40
--	Method 135.05	--
610	0.3850	.57
Avg	0.3675	
626	0.3500	-1.08
--	Method 136.00	--
859	0.1140	.75
662	0.1139	.61
Avg	0.1108	
684	0.1045	-1.25
--	Method 136.01	--
644	0.1165	.98
619	0.1150	.83
Avg	0.1075	
571	0.1020	-.64
160	0.0966	-1.20
--	Method 136.99	--
610	0.1125	.71
Avg	0.1125	
504	0.0600 S	-10.61
--	Method 137.00	--
160	0.5084 s	5.99
662	0.3514	1.92
676	0.3070	.80
644	0.2975	.55
Avg	0.2774	
684	0.2735	-.46
504	0.2600	-.52
848	0.2450	-.85
350	0.2445	-.85
675	0.2400	-.97
--	Method 137.05	--
626	0.2300	.71
--	Method 138.00	--
160	0.7751 s	7.64
619	0.5165	1.90
662	0.4776	1.04
504	0.4550 R	.77
652	0.4650	.76
644	0.4580	.61
350	0.4410	.26
Avg	0.4309	
571	0.4260	-.11
684	0.4135	-.46
676	0.4050	-.58
675	0.3900	-.93
848	0.3850	-1.02
859	0.3625	-1.52
--	Method 138.05	--
626	0.4500	.71
--	Method 139.00	--
504	0.0300	.71
--	Method 210.01	--
676	1.2450	-.71

* X=Excluded from lab performance S/s=Screened Outlier R=Duplicate Range too large A=Analysis beyond 3-s limits

AAFCO - Feed Check Sample No. - 200923 Preconditioning/Receiving Chow, Medicate

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs	Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
001.00	10	-0.2239	2.84	0.41	010.03	4	-12.6808	11.26	5.05
001.03	4	0.0000	1.02	0.31	010.11	9	0.0000	1.02	0.12
001.07	39	-0.1459	1.34	0.64	010.99	12	-0.3490	1.55	0.20
001.99	18	0.1951	1.74	0.23	011.01	84	0.0209	0.99	0.22
002.00	6	0.0000	1.03	0.17	012.00	7	0.0000	1.03	0.16
002.01	11	0.0000	0.96	0.33	012.01	2	0.0000	1.08	0.40
002.02	7	0.0000	1.02	0.18	012.03	2	0.0000	0.60	0.75
002.04	6	0.0000	1.00	0.28	012.04	5	0.0000	1.04	0.19
002.05	17	-0.0163	0.97	0.23	012.11	5	0.0000	1.04	0.19
002.06	131	0.1163	1.53	0.36	013.02	32	-0.1548	1.56	0.46
002.08	5	0.0000	0.88	0.52	013.10	11	0.0970	1.01	0.62
002.10	9	0.0761	0.99	0.37	013.12	2	-2.6365	3.73	0.53
002.11	8	-0.4853	2.18	0.22	013.99	3	0.0000	1.12	0.06
002.99	5	0.0000	0.93	0.46	015.00	12	0.0000	1.01	0.16
003.00	26	0.3463	1.35	0.29	017.00	9	0.0128	0.93	0.84
003.06	21	-0.0961	1.05	0.32	018.02	2	0.0000	1.22	0.07
003.09	24	-0.1324	1.31	0.47	019.00	12	1.3341	4.70	0.48
003.10	31	-0.0872	1.33	0.51	019.01	47	0.0172	1.15	0.35
003.11	7	0.0000	1.01	0.25	019.03	5	0.0000	1.03	0.22
003.12	3	0.0000	1.11	0.12	019.05	35	0.2350	1.34	0.30
003.13	6	0.0000	0.99	0.30	019.08	6	0.0000	1.03	0.19
003.14	14	-0.1998	1.38	0.36	019.09	30	0.0000	0.94	0.36
003.99	11	-0.6526	2.67	0.75	019.99	3	0.0000	1.06	0.29
004.00	28	-0.0300	1.09	0.21	020.00	3	0.0000	1.11	0.13
004.01	2	0.0000	1.07	0.42	020.01	7	0.0000	1.03	0.12
004.03	3	0.0000	0.98	0.44	020.99	3	0.0000	1.11	0.07
004.06	30	-0.8804	3.66	0.22	021.01	6	0.0000	1.04	0.08
004.07	39	-0.4615	2.85	0.24	021.02	15	0.2020	1.22	1.35
004.11	8	0.1905	1.10	0.13	021.99	2	0.0000	1.22	0.03
004.99	4	4.2464	8.54	0.26	022.01	28	1.3187	7.37	0.18
005.00	128	-0.3072	3.28	0.36	022.03	29	-0.1185	1.30	0.23
005.11	6	5.4880	6.14	0.77	022.05	31	0.0230	0.97	0.28
005.99	13	-0.0296	0.94	0.63	022.99	4	8.9090	17.84	0.16
008.02	16	-0.6032	2.12	0.23	025.01	22	-0.0376	1.07	0.31
008.08	21	-0.2872	1.62	0.30	025.03	29	0.0502	1.01	0.21
008.99	6	0.0000	1.00	0.28	025.05	24	-0.1144	1.27	0.21
009.07	13	0.0000	0.94	0.39	025.99	3	0.0000	1.12	0.06
009.09	16	0.0000	0.99	0.21	027.01	29	0.9152	4.13	0.24
009.99	7	-0.8481	2.40	0.53	027.03	31	247.8312	1379.06	10.37

AAFCO - Feed Check Sample No. - 200923 Preconditioning/Receiving Chow, Medicate

Method Evaluation - Z Values Based on 1 Reports

Method Code	Number Of Labs	Avg Bias of Labs	Std Dev of Biases	Std Dev Within Labs
027.05	28	31.7048	167.16	166.76
027.99	3	6.8755	11.94	0.19
028.01	26	0.0911	1.08	0.22
028.03	31	9.1339	50.59	0.16
028.05	30	-0.6588	3.88	0.43
028.99	4	0.0000	0.71	0.71
031.01	54	-0.3053	2.28	0.36
031.02	5	-0.1350	0.97	0.31
031.03	8	0.6270	1.66	0.37
031.05	62	0.3147	1.67	0.41
031.99	7	0.8147	2.35	0.24
032.01	30	-0.1277	1.12	0.27
032.02	7	-0.3804	1.38	0.64
032.05	60	-0.0990	2.30	0.79
032.99	3	-3.9614	6.90	0.35
033.00	23	-0.3058	1.29	0.19
033.01	32	0.1225	1.17	0.33
033.03	7	0.0000	1.02	0.19
033.99	8	0.0000	1.03	0.08
034.04	8	0.0000	0.99	0.29
034.05	4	1.0813	2.34	2.31
035.00	26	0.6914	1.75	0.37
035.01	3	0.0000	1.01	0.38
035.03	50	-0.0147	0.96	0.40
035.05	11	0.2639	1.27	0.32
035.99	3	0.0000	1.08	0.24
036.00	2	0.0000	1.04	0.46
036.03	25	-0.0370	1.27	0.28
036.04	2	0.0000	1.22	0.00
037.01	29	0.6668	3.66	0.30
037.03	32	0.0500	0.99	0.19
037.05	31	0.3728	1.77	0.53
037.99	4	0.0000	1.06	0.17
038.00	9	-0.1155	1.02	0.20
039.02	5	0.0000	1.04	0.17
051.00	10	0.0572	0.97	0.24
051.03	11	0.0000	1.01	0.14
082.00	5	0.0000	1.03	0.22
082.01	6	0.2785	1.16	0.53
082.02	2	0.0000	1.21	0.14
106.02	18	0.2918	1.42	0.43
108.02	2	0.0000	1.22	0.02
109.02	8	0.0000	1.03	0.01
120.00	13	0.3162	1.49	0.16
121.00	13	0.0000	1.02	0.09
122.00	13	0.0000	1.00	0.18
124.00	12	0.0000	1.00	0.18
125.00	13	0.0000	1.01	0.12
126.00	13	0.0000	1.01	0.13
127.00	13	0.0519	0.99	0.34
128.00	13	0.5121	1.98	0.19
129.00	13	0.3522	1.60	0.15
130.00	13	0.0000	1.01	0.12
130.05	2	0.0000	0.62	0.75
131.00	12	0.2466	1.18	0.14
131.05	2	0.0000	1.22	0.00
132.00	13	0.0000	1.02	0.09
133.00	11	-0.1344	1.06	0.21
134.00	13	-0.1646	1.14	0.25
135.00	13	-0.0647	1.00	0.14
135.05	2	0.0000	0.77	0.67
136.00	3	0.0000	1.08	0.24
136.01	4	0.0000	1.07	0.13
136.99	2	-5.3033	7.50	0.50
137.00	9	0.6656	2.21	0.21
138.00	13	0.6284	2.31	0.21